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Volume 158 No. 3 | 30 Church Street, New York 7, N. Y. | July 17, 1950

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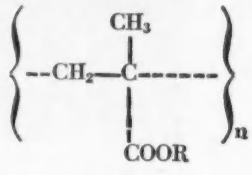

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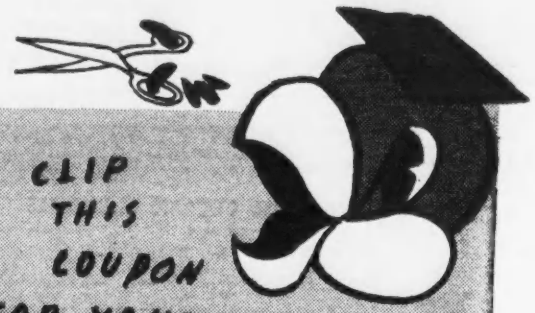

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Oil, Paint and Drug Reporter

JUL 17 '50

Volume 158 No. 3 | 30 Church Street, New York 7, N. Y. | July 17, 1950

Coal Chemicals Output Decreased Last Year

Production of the principal coal chemical materials, which accompany the production of oven coke, all showed decreases in 1949 as compared with 1948, the Bureau of Mines revealed last week. Coke-oven gas production declined 11 percent; tar, 9 percent; ammonia in terms of sulphate equivalent, 9 percent, and crude light oil, 11 percent.

Production and sale of coal chemical materials obtained from coke-oven operations in the United States in 1949[1] were reported by the bureau as follows:—

	Produced	Sold
Tar ..... gals.	672,407,370	366,424,711
Tar derivatives:		
Creosote oil, distillate as such ..... gals.	16,971,247	16,811,860
Creosote oil, in coaltar solution ..... gals.	7,407,357	6,700,909
Tar acid oil ..... gals.	12,246,503	11,885,317
Phenol ..... lbs.	6,311,946	6,327,442
Pitch of tar—		
Soft[2] ..... net tons.	304,882	8,433
Hard[3] ..... net tons.	234,919	5,335
Other tar derivatives[4] ..	.....	.....
Ammonia:		
Sulphate:		
From coke-oven ammonia ..... lbs.	1,513,613,773	1,421,187,308
From purchased synthetic ammonia .. lbs.	117,652,021	118,103,344
Liquor (NH_3 content) lbs.	45,499,541	40,582,835
Sulphate equivalent of all forms[5] ..... lbs.	1,695,611,937	1,583,518,648
NH_3 equivalent of all forms[6] ..... lbs.	423,902,984	395,879,662
Gas—		
Used under boilers, etc. M cubic feet	[7]882,309,827	27,459,093
Used in steel or allied plants .. M cubic feet		329,560,954
Distributed through city mains .... M cubic feet		154,994,365
Sold for industrial use .. M cubic feet		34,134,554
	[7]882,309,827	546,148,968
Crude light oil ..... gals.	[8]228,754,333	14,566,187
Light oil derivatives:		
Benzol:		
Motor ..... gals.	20,923,704	20,949,753
All other grades .. gals.	122,741,464	122,796,219
Toluol, crude and refined gals.	27,670,579	27,509,355
Xylol, crude and refined. gals.	7,264,642	7,181,441
Solvent naphtha ... gals.	4,997,082	4,786,522
Other light oil products[9] gals.	7,122,732	4,803,460
	190,720,203	188,026,750
Naphthalene, crude .. lbs.	70,823,436	59,907,690
Pyridine:		
Crude bases (dry basis). gals.	395,854	400,655
Refined, or 2° C... lbs.	1,044,643	1,004,125
Sodium phenolate .... gals.	2,137,813	2,062,129
Sulphur ..... lbs.	8,226,949	8,415,925
Other coal-chemical materials[10]	.....	.....

[1] Includes products of tar distillation conducted by coke-oven operators under same corporate name.
[2] Softening point less than 110° F. Includes some medium pitch-of-tar reported by two producers.
[3] Softening point over 160° F.
[4] Cresols, cresylic acid, fuel oil, pitch coke, refined tar, and tar paint.
[5] Excludes value of sulphate made from purchased synthetic ammonia.
[6] Excludes sulphate made from purchased synthetic ammonia.
[7] Includes gas used for heating ovens and gas wasted.
[8] Refined on premises to make derived products shown; 220,888,075 gallons.
[9] Benzol still residue, dicyclopentadiene, orthoxylene, and vented vapors.
[10] Ammonium thiocyanate, picolines, secondary oil, and sodium prussiate.

U.S. to Get Critical Materials for Cotton

Approval of a contract to exchange United States cotton for a foreign-produced strategic and critical material for transfer to the national stockpile, was announced July 13 by Ralph S. Trigg, president of the Commodity Credit Corporation. The exchange, which was developed in cooperation with the Federal Supply Service of the General Service Administration, is with Lehmann Trading Corporation, New York, and involves approximately 1,885 bales of cotton. In accordance with usual policy concerning procurement for the stockpile, the type and quantity of the strategic and critical material received in exchange for the cotton were not disclosed.

Senate to Investigate Gasoline Price Rises

A resolution for an investigation of the recent rises in gasoline prices was approved last week by the senate rules committee. The resolution (S. Res. 291) now goes to the senate for passage. Sponsored by Senator Homer Ferguson of Michigan, the inquiry was originally directed at the gasoline price situation in Detroit but recent increases in east coast prices broadened the senate's interest in the matter and led to the granting of a more sweeping inquiry.

Price Trend Sharply Upward

Price advances outnumbered reductions at least four to one last week in the markets for chemicals, oils, and drugs. They spread through all the ten major divisions and effected raises in the price levels of five. There was one depression—botanical drugs—but condimental commodities were heavily on the upside.

The net effect of the week's price changes was the addition of 0.6 point to the overall index number, which put it back to the mark of early April, making up all but 0.1 point of the recession since the end of the first quarter.

Nonferrous metals were back strong as boosters, the price of tin being upped more than 13 percent. Lead also was raised. Both metals carried up a number of their respective salts. Cadmium colors also were advanced, and the price of platinum. Some iron colors and other salts were higher.

Oils and fats were strong on the advancing side, higher quotations being named over a wide list of animal, fish, and vegetable products of both kinds and their fatty acids. The movement was reflected in a sizable boost for glycerin. In the animal product areas, the price advancing affected also casein, dried blood, tankage, and shellac.

The influence of Oriental disruptions was particularly obvious in spices and essential oils; but, there was a lower quotation on menthol afloat. The changes in botanical drugs were very few, with the weight on the downside.

Organic chemicals were relatively quiet, in a price sense. Advances were made in denaturing methanol, industrial methyl chloride, and digitoxin. There were no reductions.

Most markets showed more activity; but, there was no clear evidence of scare buying; although some nervousness is noticeable. In heavy chemicals, the movement of supplies is unbalanced by labor troubles and pinched by other shortages; so, allocating is spreading, especially with reference to chlorine compounds. Imports from Europe daily become more of a necessity in several lines. Some attempts at profiteering are reported.

The stringency of coaltar basics does not lessen; but, it does not get any worse, except in benzol. Molasses for distilling is another tight item. Talk about potato alcohol is getting louder. Fidgets are showing up in methanol areas over possibilities that synthesizing facilities may be shifted to nitrogen production. The government's rubber program also is presenting puzzles.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

July 14, 1950	July 7, 1950	Dec. 30, 1949	July 15, 1949
121.6	121.0	124.8	128.0

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1950	1949	1947	1946	1941
January	123.2	142.0	150.9	135.3	107.3
February	121.3	140.4	151.9	135.4	110.3
March	121.8	137.6	154.9	135.2	111.9
April	121.0	133.6	152.3	134.9	115.5
May	120.6	131.2	146.1	135.1	118.2
June	120.7	128.7	143.9	135.4	121.9

Synthetic Fuels as Source Of Chemicals Being Studied

Current shortages and increasing requirements for benzene and phenol have induced the Bureau of Mines to undertake an investigation of these and other chemicals available in producing synthetic liquid fuels from coal and oil shale, director James Boyd announced July 16.

Major objective of the study, in which the National Security Resources Board has expressed interest, is to determine the most desirable processes for producing chemicals in conjunction with synthetic fuels, he said. Potential benefits would include a new source of those chemicals either now in short supply or expected to be in time of emergency a supplementary source of aromatics or other special fuel components required by the armed forces, and reduction of the cost of synthetic liquid fuels by the co-production and sale of chemicals.

The bureau has appointed two consultants to assist in a general study of processes, yields, and markets, Dr. Boyd said. They are Dr. Gaston Du Bois formerly with Monsanto Chemical Company, and L. A. Schlueter of Washington, D. C., who is associated with the American Coke and Coal Chemicals Institute.

U. S. Publishing Latest Data on Import Duties

The United States Tariff Commission has sent to the Government Printing Office a new edition of the publication "United States Import Duties." The new edition will contain material relating to rates of import duties and customs administrative provisions in effect on July 1. 1950.

Copies of the complete document will be available by purchase from the superintendent of documents, Government Printing Office, Washington 25, D. C., at $2 per copy. Orders, accompanied by remittance, will be accepted now by the superintendent of documents and will be filled as soon as the document is released, which should be within two weeks.

South Amboy Blast Probed

House resolution 643, providing for a congressional investigation of the recent disastrous explosion at South Amboy, N. J., was passed unanimously last week by the house. The investigation is to be conducted by the house merchant marine committee.

Synthetic Rubber Facilities To Be Reopened by U.S.

Two of the government's idle synthetic rubber plants and a butadiene plant, capable of turning out an additional 88,000 tons of rubber annually, were ordered reopened last week by the White House, following conferences with representatives of the rubber manufacturing industry.

The Reconstruction Finance Corporation, which has had the job of maintaining the plants in a standby condition, stated that the plants going back into production as quickly as possible are:—

1—The GR-S plant at Port Neches, Tex., which has an annual capacity of 75,000 tons.

2—The butadiene plant at Houston, Tex., which will supply one of the major component materials necessary for synthetic rubber production.

3—The Baton Rouge, La., plant which produces butyl rubber which is used in the manufacture of inner tubes. This plant will produce about 13,000 tons annually.

Coconut Oil Factory Opened on Zanzibar

A new coconut oil factory has been opened on Zanzibar, at a cost of $112,000 and will operate under the name of Luxmi Oil Industries, Ltd., according to the Office of Foreign Agricultural Relations. Work on the project was begun in August, 1948, but it was not until May of this year that the factory was completed and able to start production.

AEC Chairman Named

Gordon Dean, who was confirmed by the senate recently for a three-year term as a member of the Atomic Energy Commission, was named chairman of that body last week, filling the vacancy that has existed since David Lilienthal resigned early this year.

Mr. Dean has been serving as acting chairman of the commission since the expiration last June 30 of Sumner T. Pike's appointment. Mr. Pike was renominated to the commission by President Truman and was confirmed by the senate last week by a vote of 55-24. Action on the nomination had been blocked for several weeks by several Republicans, who claimed that Mr. Pike did not "measure up" to the requirements of the job.

Mr. Pike's appointment is for a period of four years, expiring June 30, 1954. Mr. Dean's term runs until June 30, 1953. One vacancy still exists on the commission.

Copper Import Taxes Suspension Approved

The house ways and means committee agreed last week to support a one-year suspension of import taxes on copper, retroactive to June 30, when the previous suspension expired, and authorized its chairman, Representative Robert L. Doughton of North Carolina, to report such a bill for passage. Early action on the legislation is planned by the leadership.

The committee's action came after two days of public hearings on H. R. 7151 by Representative James T. Patterson of Connecticut during which representatives of the government, including the Munitions Board, expressed the belief that it would be advisible to continue the suspension of import taxes in order to encourage the import of copper.

It is anticipated that the bill will pass the house without much difficulty and also be approved by the senate, although it may encounter some stronger opposition in that body. President Truman undoubtedly will sign the bill as soon as it reaches him, although the White House has played a hands-off policy on the controversy which found the domestic industry split over the issue.

Stockpiling Speeding Up

Testimony before the ways and means committee disclosed that the Munitions Board decided last month to speed up government stockpiling of copper "to the greatest extent possible" because it felt that there "is presently an essential need for a maximum supply of copper for industrial consumption and for stockpile purposes." Dr. Robert B. McCormick, chief of the board's nonferrous metals branch, who disclosed the stepped-up stockpiling decision, gave no figures, however, of the amount of copper to be purchased.

Dr. McCormick noted that world stocks

—Continued on page 45

PHS Research Work Increase Voted in House

The house voted its approval last week of H. R. 3943, greatly enlarging the research work of the Public Health Service to embrace many ailments and diseases affecting mankind. The bill is a consolidation of 28 separate measures introduced throughout the session for research work on such matters as rheumatism and arthritis, multiple sclerosis, cerebral palsy and epilepsy.

Authority is contained in the proposal for the setting up of research institutes in addition to those now in existence for cancer, heart, mental health, and dental research. The Federal Security Administrator is authorized to set up an institute whenever the Surgeon General determines that such action is advisable.

The senate has passed a similar bill (S. 2591) that is mandatory in the matter of setting up an institute for research on arthritis, rheumatism, and metabolic diseases, and an institute for research on neurological diseases (including epilepsy, cerebral palsy, and multiple sclerosis) and blindness.

U.S. to Get One-Half Of Bolivian Tin Output

A tentative agreement has been reached by the Reconstruction Finance Corporation with representatives of the Bolivian tin producers for the purchase of about one-half of Bolivia's tin production this year. The agreement is being drafted into contract form for ratification by RFC directors.

No information as to prices or other details of the proposed contract was available at this time. The negotiations had been underway since the previous contract expired on December 31 and the reaching of a tentative agreement was believed hastened by the Korean situation and the recent recovery in tin prices.

Potash Salts Deliveries Down 3% in 1949-50

Potash deliveries in North America reached a total of 1,140,327 tons K_2O during the fiscal year of June, 1949, through May, 1950, according to the American Potash Institute. This represents a decrease of 29,221 tons or 3 percent less than the corresponding figure in 1948-49 due to a strike in the potash mines in the Carlsbad area from November 19, 1949, to February 1, 1950. The deliveries were made in 45 states, the District of Columbia, Puerto Rico, Cuba, Hawaii, Canada, and a few other countries, by the five leading American potash producers and include also importations of European potash from France and Western Germany. Importations from other European sources are not included in these figures.

Deliveries for agricultural purposes in the Continental United States amounted to 953,851 tons K_2O, a 6 percent decrease under last year. Canada received 67,207 tons K_2O, an increase of 68 percent; Cuba 6,606 tons, an increase of 53 percent; Puerto Rico, 14,802 tons, a decrease of 16 percent; Hawaii, 11,709 tons, an increase of 41 percent; and other countries, 14,886 tons, an increase of 17 percent compared to last year.

Ohio Biggest Consumer

Ohio was the leading state for deliveries, followed in order by Illinois, Georgia, Virginia, Florida, and North Carolina, each taking more than 60,000 tons K_2O. Deliveries do not necessarily correspond to consumption in a given state.

The 60 percent muriate of potash continued to be the principal grade, comprising 81 percent of the total agricultural potash delivered. Sulphate of potash and sulphate of potash-magnesia together made up 8 percent of deliveries; 50 percent muriate of potash, 9 percent; while manure salts dropped to 2 percent, reflecting the trend toward the use of more concentrated materials.

Deliveries of potash for chemical uses amounted to 71,266 tons K_2O, a decrease of 8 percent under 1948-49. The 60 percent muriate grade made up 95 percent of chemical deliveries and sulphate of potash, 5 percent.

Atlas Lowers Prices On 'Spans' and 'Tweens'

Atlas Powder Company, Wilmington, reduced the price on certain of its "Spans" and "Tweens." Those affected were "Span 60" and "Tweens 60, 61 and 65." The price decline on these items amounted to 1 cent per pound. The former material is sorbitan monostearate, and the latter materials are polyoxyethylene sorbitan mono and tristearates.

Under the new price schedule "Span 60" is quoted on and f.o.b. plant basis at 30 cents per pound in lots of 20,000 pounds or more, 32 cents for 10,000 to 20,000 pounds, 35 cents for 2,000 to 10,000 pounds, and 37 cents for less than 2,000 pounds, packaged in 55 gallon fiber drums. The "Tweens" mentioned above were all quoted at the same price, packaged in 55 gallon drums, lots of 20,000 or more were listed at 42 cents per pound, 10,000 to 20,000 pounds at 44 cents, 2,000 to 10,000 pounds at 47 cents, and less than 2,000 pound quantities at 49 cents.

Thurston & Braidich Partner

Eusebio B. Vina has become a general partner of Thurston & Braidich, New York. A native of Cuba, he came to the United States in 1920 and four years later started in the company's vanilla bean department.

In New Sterling Post

Dr. J. Mark Hiebert has been elected to the newly created post of executive vice-president of Sterling Drug, Inc. Associated with the company since 1934, Dr. Hiebert has been a vice-president since 1945, assistant to the president since 1947 and a member of the board since 1949.

Rohm & Haas Making New Aliphatic Amines

Rohm and Haas Company, Philadelphia, last week announced the availability of two new primary aliphatic amines having a tertiaryalkylamine structure. One is tertiaryoctylamine, 2,4,4-trimethyl-2-aminopentane, a pure eight carbon atom amine boiling at 140°C. The other is "Alkylamine 81", a mixture of highly branched primary amines varying from twelve to fifteen carbon atoms, and boiling at temperatures from 220 to 260°C.

The amines generally react like other primary aliphatic amines, but the tertiary alkyl groups give them distinctive properties, it was stated. Among the suggested applications of these amines are their use as intermediates in the manufacture of pesticides, wetting agents, textile finishing materials, detergents, emulsifiers, pharmaceuticals, and the introduction of oil soluble groups into a wide range of chemicals.

Reaction with aliphatic aldehydes was said to give stable aldimines, and with formaldehyde a stable azomethine grouping is formed. It was claimed that monosubstituted products by alkylation, cyanoethylation, and hydroxyethylation could readily be controlled.

Inedible Rendered Fats Regulations Amended

The bureau of animal industry last week amended its meat inspection regulations relating to tanking and denaturing condemned carcases and parts by changing section 14.2 to read as follows:—

"Sec. 14.2 Inedible rendered fats. Rendered animal fat derived from inedible or condemned materials and possessing the physical characteristics of color, odor, and taste of an edible product shall be denatured to effectually distinguish it from an edible product either with low grade offal during the rendering or by adding to, and mixing thoroughly with, such fat denaturing oil, number 2 fuel oil, or brucine dissolved in a mixture of alcohol and pine oil or oil of rosemary."

Hercules Names Becker Ass't Manager of Mansfield Plant

Wilbur E. Becker has been named assistant superintendent of the Hercules Powder Company plant at Mansfield, Mass. He will work with plant superintendent Harry F. Ahern in directing production of pentaerythritol, plasticizers, and synthetic resins made at Mansfield by the synthetics department of the company. Mr. Becker has been senior chemist at the Mansfield plant since November, 1947. In that capacity he has supervised development of plasticizers and other operations. The post of assistant superintendent has been vacant since late in 1948. Increased production activity has again made it necessary to have an assistant superintendent at Mansfield, Hercules said.

Obituaries

John L. Smith

John L. Smith, chairman of the board of Chas. Pfizer & Co., Brooklyn, N. Y., died July 10, after an illness of several months. He was sixty-two years old.

A native of Germany, he came to America about 1884 and settled in Stonington, Conn. In 1906, he left Stonington to go to Brooklyn where he joined Pfizer as a laboratory assistant, at the same time continuing his studies by attending night classes at Cooper Union institute from which he graduated with a Bachelor of Science degree in 1911.

In 1914, Mr. Smith left Pfizer and for four years was associated with production in E. R. Squibb & Sons, returning to Pfizer in 1918. In 1919, he was made superintendent of the Pfizer plant. He was made a member of the board of directors in 1920 and progressed through various official positions until elected president of the company in 1945. In 1949, Mr. Smith was made chairman of the board, the position he held until his death.

Starting with his appointment as superintendent of Pfizer's Brooklyn plant in 1919, Mr. Smith introduced a greater emphasis on new scientific principles and brought with him a fresh stimulus to Pfizer research and production. His genius first became known as he put his tremendous energies and enthusiasm and his capacity for infinite detail to application in bringing to a culmination Pfizer's research program for the production of citric acid by

John L. Smith

fermentation methods. In 1923, this new application was realized as Pfizer commenced its first commercial production of citric acid by fermentation.

Even as he directed his energies toward the culmination of his company's objectives in fermentation chemistry, Mr. Smith, ever restless to try new fields, turned the attention of the company toward the development of commercial processes for the production of vitamins in the early 1930's. This led the Pfizer company into the field of organic synthesis.

The crowning achievement of Mr. Smith's career was unquestionably the role he played personally in the development of the first great antibiotic, penicil-

—*Continued on page 63*

Flaked Magnesium Chloride Prices Boosted by One Maker

A producer of flaked magnesium chloride advanced the price $5 per ton late Friday, to levels of $45 per ton, carlots, and $49 to $51 per ton, less carlots, effective July 14.

Cottonseed Cake, Meal Sold

The Commodity Credit Corporation reported last week that it had sold 33,070 tons of cottonseed cake and meal during the week ended July 10. The sales consisted of 25,290 tons of cake at prices ranging from $55 to $58 per ton and 7,780 tons of meal at $60 to $61 per ton.

Who Has It?

Inquiries in the OPD editorial office seek sources from which the materials listed below can be obtained. Information will be gratefully received here:—

Amyl crotonyl acetate.
Lauryl biguanidine chlorhydrate.
2-Methyl-4 amino-1-naphthol hydrochloride.
Trihexyl phenidyl 3 - (1-piperidyl)-phenyl-1-cyclohexyl-1-propanol hydrochloride.

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House Rejects Truman Plan for Health Dept.

The house killed President Truman's plan to create a department of health, education and security last week by a surprising vote of 249-71. It was the second time within a year that the president has been beaten on his plan to elevate the Federal Security Agency to cabinet office rank.

Republicans led the attack against the plan and they were joined by Southern Democrats. A great many other Democrats registered their opposition, however, by purposely staying away during the voting so that they could not be pressured into supporting the plan.

The Republican attack followed two main lines:—(1) That the plan (known as reorganization plan number 27) was not in accord with the Hoover commission recommendations and (2) that it increased the danger of "socialized medicine". The plan met its most strenuous opposition from leaders of organized medicine and dentistry, who claimed it would subordinate health to the dictates of welfare officials.

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Drums Reuse Rule Of ICC Protested

Morris Hershson, president of the National Barrel and Drum Association, which represents the country's leading reconditioners of steel drums, announced last week the formation of an allied industries committee for reuse of single trip container drums. Oil, chemical, paint and allied product manufacturers are being invited to join this committee, with headquarters in Washington, D. C.

This action, Mr. Hershson stated, was prompted by the order issued by the Bureau of Explosives and the Interstate Commerce Commission cancelling permission to re-use ICC specification single trip containers for inflammable products. This order is to be effective August 31, 1950. The National Paint, Varnish and Lacquer Association, he said, is spear-heading a program to give companies shipping inflammable products in reconditioned drums an opportunity to voice their protest against this order.

Mr. Hershson pointed out that this order was originally based on the reported availability of new single trip container drums and was to have become effective March 30, 1950. That date was extended until August 31. The proposed cancellation, Mr. Hershson said, has been issued by the ICC in spite of recent Bureau of Census and trade paper reports showing unfilled orders totaling over 3,000,000 new 18-gauge steel drums.

Mr. Hershson emphasized that there are no records of any accidents or incidents resulting from the shipment of inflammables in qualified reconditioned drums during the past eight years. In that period special permission granted by the Bureau of explosives to use reconditioned drums was in effect. He also stated that there has been a steadily increasing demand for these reconditioned drums, due

—Continued on page 61

National Distillers Offering New Metallic Sodium Technic

National Distillers Chemical Corporation, New York, last week offered to industry a new technic, enabling users of metallic sodium to produce dispersions of the metal in their own plants, and making possible new reactions which formerly were limited by decomposition at temperatures sufficient to give satisfactory reaction speeds.

National Distillers, which makes metalic sodium in its new $10,000,000 plant in Ashtabula, Ohio, revealed that the dispersions of the metal are made in a special colloid mill which they have developed, in which metal particle sizes ranging from submicron to 20 microns are dispersed in inert media boiling higher than the melting point of sodium. Such media are acromatic and aliphatic hydrocarbon solvents, mineral oils, naphthalenes, or paraffins.

It was stated that these sodium dispersions are applicable to such reactions as the Claisen condensation, Wurtz reactions, desulphurization, preparation of anhydrous cellulose ethers and sodium alcoholates, polymerization catalysts, and similar uses.

Carbon Black Plant Planned By J.M. Huber in Baytown

J. M. Huber Corporation, New York, plans construction of a new furnace carbon black plant near Baytown, on the Gulf Coast of Texas. It is expected that the plant will be completed by March 1, 1951, and will cost $1,500,000. Its annual capacity will be 30,000,000 pounds HAF-type carbon black. The company's present carbon black operations are at Borger, Texas, where it also produces furnace blacks.

French Firm Names Sales Agent for Caustic Potash

Potasse et Produits Chimiques, major French producer of caustic potash and potassium salts, has appointed Nomaco, Inc., New York, its agent in the United States.

Parathion Plant Being Built

Pittsburgh Coke & Chemical Company is building a new plant for the production of parathion and several other organic phosphate insecticides, it announced last week. The plant will incorporate a new process originally developed by the German firm, Farbenfabriken Bayer. It is expected to be in production in the early fall.

Mallinckrodt Elects New Officers

The Mallinckrodt Chemical Works, St. Louis, has elected three new vice-presidents, a secretary and a new member to the board of directors it was announced last week. The new vice-presidents are

N. P. Knowlton H. E. Thayer J. R. Ruhoff J. E. Gaston

Norman P. Knowlton, Harold E. Thayer, and Dr. John R. Ruhoff, John E. Gaston is the new secretary and Dr. August H. Homeyer the new director.

Mr. Knowlton has been with Mallinckrodt for thirty-two years, with duties involving industrial relations and plant management; Mr. Thayer joined the company in 1939 and since 1943 has been manager of the firm's atomic energy project. Dr. Ruhoff has been with Mallinckrodt since 1937 and is now technical director.

Mr. Gaston joined Mallinckrodt in 1946 and has been assistant secretary since May, 1949. Dr. Homeyer, associate director of research has been with the firm seventeen years.

The company also announced the appointment of John G. Moore as assistant secretary and assistant treasurer and of Russell F. Ritschy as assistant secretary. Mr. Moore was with the army air forces before joining Mallinckrodt in 1947. Mr. Ritschy has been with the company since 1917 in the production, packaging and planning departments.

Washington Talks It Over

By Ralph L. Cherry

Official Washington is determined to regard the Korean conflict as purely a police action, with the United States acting the part of the policeman for UN. In other words, we are not at war, and this is simply a local disturbance that will be put down just as soon as we can bring our weight to bear on the North Korean communists.

However, the outward calm that is being exhibited is for public consumption and doesn't mean that the country is not getting ready. Weekends and nights see lights burning all over the huge Pentagon building and the State department again as officials keep their fingers on the "hot" points around the world while getting ready for any eventuality.

Congress has given up plans for any "adjournment" during the conflict and is looking forward only to recesses that can be terminated quickly if an emergency arises. At the request of the administration senate leaders have shelved the tax bill because now is no time to be thinking about tax reductions. The military draft is swinging into action, and ships and planes are being taken out of mothballs.

What to look for in the way of legislation is problematical, but it is difficult to see how the administration can let the situation go along much longer without requesting some standby control powers at least. It is expected that the request will come along soon after the midyear report of the economic advisers—unless the headlines from Korea soon take on a more favorable tone.

Fats and Oils Cooperation Needed

The Bureau of the Census is making a special effort to get out its monthly fats and oils figures on production and warehouse stocks (forms M17A and M17B) as quickly as possible; but, as usual, there are always some people who don't seem to realize that cooperation on their part is necessary if this laudable objective is to be achieved.

Over the past six months, Census has simplified its compilation procedures and, as a result, is now releasing the information during the last part of the month following the month reported. In reaching this time schedule, it has been necessary to send many telegrams and make many telephone calls each month, in order to obtain enough of the reports to make possible the release of accurate information. This type of follow-up is expensive and adds to the taxpayer's bill.

In order to accomplish a further advance in the release date, the bureau is asking again that each company make a special effort to submit its report on or before the tenth of the month, the date that the report is due. If industry really wants the information at an early date and with a maximum of accuracy, then it should stop dragging its feet and get the data to the bureau promptly, otherwise it shouldn't complain if the information is late.

Soybean Crop to Be Big

There is going to be a tremendous quantity of soybeans produced this year if farmers harvest all the acreage that has been planted to this crop. Unofficial estimates place the production at around 290,000,000 bushels and maybe as high as 300,000,000 bushels.

Last March, when the Department of Agriculture issued this year's first "intentions to plant" report, farmers said that they would devote about 11,700,000 acres to soybeans this year, or an increase of about 9 percent over the amount harvested last year. But, last week, when the department tallied up the acreage that had been planted up to July 1 it found that the farmers had increased the size of the soybean area by 1,200,000 acres, or to a total of 12,937,000 acres.

Figuring production at 22.4 bushels per acre, the "intended" production last March of 260,000,000 bushels had increased to 290,000,000 on July 1, with the prospect that this figure will go higher because it is possible to plant soybeans this month and still get a crop before frost. Last year the soybean output amounted to 222,000,000 bushels; the record is 224,000,000 bushels.

Procurement Regulation Revision

The Department of National Defense has published a general revision of the armed services procurement regulation to bring up to date those sections which so far have been issued. The regulation, which prescribes uniform procurement standards for army, navy and air force, will include a total of fifteen sections when completed.

Eleven full sections and part 1 of another are now in effect. These are sections I through VI, part 1 of section VII, and sections IX, X, XI, XII, and XV. Sections I through VI, part 1 of section VII, and section XII have been reprinted in full to show all revisions made up to June 1. Sections IX, XI, and XV have not been reprinted due to the small num-

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U. S. Stoneware Appoints Richmond Assistant P. A.

The appointment of Robert Richmond as assistant purchasing agent of the United States Stoneware Company, Akron, Ohio, and its affiliates has just been announced by J. M. W. Chamberlain, president. United States Stoneware's affiliated companies are Chamberlain Engineering Corporation, Colonial Rubber Company, Federal Refractories Corporation, Super Machine Company, Ravenna Ceramics Corporation, Republic Lead Equipment Company, Hamilton Kent Manufacturing Company, and Conneaut Rubber & Plastics Company.

National Lead to Boost Titanium Pigments Output

The National Lead Company, New York, will begin construction immediately of new facilities for production of titanium pigments, Joseph A. Martino, president, announced July 11. The additional capacity, expected to increase the present rate by 60,000 to 70,000 tons annually, will be added first at the company's St. Louis plant. Depending on delivery of the necessary equipment, first production will be realized from the new facilities within a year and full production within eighteen months.

Point Four Program Approved by House

Authority sought by the Administration to guarantee American investments abroad to aid the economies of undeveloped nations was approved in a greatly modified form last week by the house as the White House was fighting an uphill battle in the senate for sufficient funds to finance the technological phases of the point four program.

By a vote of 195-151, the house passed a watered-down version of H.R. 8033 and sent the bill to the senate where chances of final action being taken on it this year are considered rather slim. The guarantees provided for in the bill apply only to enterprises that do not compete with American goods and only in countries that will make their own guarantees by treaty.

The original aim of the bill was to set aside $250,000,000 of the funds of the Export-Import Bank to guarantee American investors in productive enterprises abroad against any losses as a result of confiscation, expropriation or the conversion of local currencies into American dollars. As it passed the house, however, these two restrictions were written in it to soften the opposition:—

1. Prohibiting guarantee of investments in any country not having a treaty with the United States providing "just compensation" for expropriation of American-owned industry, the right to convert profits into dollars, and recognition of fair business practices.

2. Refusing guarantees for investments in foreign industries duplicating United States production or competing directly with American goods.

The bill is a companion to the provision

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Warfarin Being Sold By Prentiss and Penick

Warfarin, the common name adopted for (3-(gamma-acetonylbenzyl)-4-hydroxy-coumarin, a new rodenticide, has been released for general consumption sale following the completion of hundreds of field tests carried out since 1949 under a permit of the Department of Agriculture, it was announced last week.

The new product is protected by a patent owned by the Wisconsin Alumni Research Foundation. R. J. Prentiss & Co. and S. B. Penick & Co., both New York, are the distributors of the rodenticide.

Warfarin, which kills by producing hemorrhage, is being sold to wholesalers at the following price levels:—

Drums, fifty pounds, f.o.b. New York or Chicago, $1.95 per pound; twenty-five to forty-nine pounds, same basis, $2.05 per pound, and five to twenty-four pounds, containers, $2.15 a pound.

It is a slow-acting poison and must be consumed by the rodent over several days' time to kill. It is tasteless and odorless, and is relatively safe as respects humans, pets and domestic animals.

The large-scale testing program on warfarin rodenticides was conducted jointly by Prentiss, Penick and the Wisconsin Alumni Research Foundation in cooperation with the Production and Marketing Administration of the Department of Agriculture, the Fish & Wildlife Service of the Department of Interior, the Public Health Service and the National Pest Control Association. The program is the first in which users of rodenticides were requested to report results achieved.

Baker Castor Oil Names Vignolo to Western Post

Haskell H. Fritts, vice-president and director of sales of the Baker Castor Oil Company, announces that Robert Vignolo has been appointed Pacific Coast sales manager. His offices will be located at the Baker plant, 5585 East Sixty First street, Los Angeles 22.

Mr. Vignolo was formerly sales manager and a director of the California Flaxseed Products Company. During the war, he aided in the development of polyesters in addition to performing his regular sales duties. On leaving California Flaxseed Products in 1944, Mr. Vignolo joined Turco Products as assistant to the president and technical director.

Metal & Thermit Names Eckelkamp Treasurer

Lawrence Eckelkamp, formerly assistant treasurer of the Metal & Thermit Corporation, New York, has been elected treasurer of the company. Mr. Eckelkamp joined the firm in 1914 and was named assistant treasurer in 1941.

HAVE YOU THOUGHT OF USING
CONJULIN TO IMPROVE YOUR PRODUCT?

Chemistry as seen through a secretary's eyes

Typewriters used to be finished in shiny black. They did dress up the office—but they also played hob with the office gal's eyes. Light, reflected by the shiny surface, was a cause of eye-strain, irritation and inefficiency.

Not so today. Because of chemistry—the finish on a typewriter is easy on the eyes. Now typewriters have a wrinkle finish. This breaks up the light reflections and enables the secretary to do a better, faster job.

Wrinkle finishes for typewriters are somewhat new. But during the war, wrinkle finishes were a must for instrument panels in planes and similar equipment, where reflected light was an obstacle to efficient operation. Today, wrinkle finishes are applied to a wide range of consumer and industrial products.

How can you get the best wrinkle finish? We say, use CONJULIN* or Conjulin Fatty Acid. This oil dries in 1/5 the time required for high bodied linseed oil—and one of its important characteristics is the excellent wrinkle finish it produces.

We developed CONJULIN at the request of the U.S. Government. We made it by re-arranging the molecular structure of linseed oil —changing the linoleic and linolenic acids into isomeric acids containing double bonds. CONJULIN dries to a hard, flexible film, with great water and alkali resistance—and its rapid drying property suggests advantage to you whether you use air-drying or baking finishes.

If your product can be improved by the use of CONJULIN or Conjulin Fatty Acid—why not have your secretary write us a letter (on her more efficient typewriter with the wrinkle finish) and we'll send you samples and fullest information.

Specifications on
CONJULIN SLOW GEL
CONJULIN QUICK GEL
and
CONJULIN FATTY ACIDS
available upon request.

*Reg. product of Woburn Chemical Corp. (N. J.)

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FATTY ACIDS, SPLIT AND DISTILLED
CASTOR • CHINAWOOD • COCOANUT • CONJULIN • COTTONSEED • DISTOLINE
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Association Meetings

Affiliated Drug Stores, New Yorker hotel, New York, October 1-5.

American Association of Textile Chemists and Colorists, Portsmouth, N. H., September 28-30.

American Bar Association, Food, Drug and Cosmetic Law Division, annual meeting, Federal Security Agency auditorium, Washington, D. C., September 18-22.

American Council of Commercial Laboratories, Waldorf-Astoria, New York, November 14-15.

American Gas Association, Atlantic City, October 2-6.

American Institute of Chemical Engineers, Neal House, Columbus, Ohio, December 3-6.

American Oil Chemists Society, Sir Francis Drake hotel, San Francisco, September 26-28.

American Petroleum Institute, Biltmore and Ambassador hotels, Los Angeles, November 13-16.

American Pharmaceutical Manufacturers' Association, Boca Raton, Fla., April 2-4, 1951; Greenbrier, White Sulphur Springs, W. Va., March 26-28, 1952.

American Soybean Association, Springfield armory, Springfield, Ill., August 28-30.

Associated Chain Drug Stores, New Yorker hotel, New York, September 24-27.

Association of Consulting Chemists & Chemical engineers, annual meeting, Shelburne hotel, New York, October 24.

Chemical Specialties Manufacturers Association, New Yorker hotel, New York, December 3-5.

Congress of the International Union of Leather Chemists Societies, London, September 10-13, 1951.

Drug, Chemical and Allied Trades Section, New York Board of Trade, annual meeting, Shawnee Inn, Shawnee-on-Delaware, Pa., September 21-23.

Federal Wholesale Druggists Association, Greenbrier hotel, White Sulphur Springs, W. Va., October 23-25.

Federation of Paint and Varnish Production Clubs, Congress hotel, Chicago, November 9-11.

National Association of Retail Druggists, Long Beach, Calif., October 15-21.

National Butane-Propane Association, Hollenden hotel, Cleveland, September 18-19.

National Chemical Exposition, Coliseum, Chicago, September 5-9.

National Foreign Trade Council, annual convention, Waldorf-Astoria hotel, New York, October 31-November 1.

National Lubricating Grease Institute, Edgewater Beach hotel, Chicago, October 30-November 1.

National Paint, Varnish and Lacquer Association, Fairmont hotel, San Francisco, November 15-18.

National Safety Congress, Chicago, October 18-20.

National Wholesale Druggists Association, Waldorf-Astoria hotel, New York, September 18-20.

Packaging Institute, annual forum, Commodore hotel, New York, October 23-25.

Pharmaceutical Council of Greater New York, drug show and exhibit, Statler hotel, New York, September 25-27.

Society of Plastics Engineers, national technical conference, Statler hotel, New York, January 18-20, 1951.

Society of the Plastics Industry, annual meeting, New Ocean House, Swampscott, Mass., October 18-20.

Society of Rheology, New Yorker hotel, New York, November 3-4.

Synthetic Organic Chemical Manufacturers Association, Commodore hotel, New York, September 15; annual meeting, Commodore hotel, New York, December 13.

Sanders, Comm'l Solvents Entomologist, Retiring

Commercial Solvents Corporation, New York, announced last week the retirement of its entomologist, James G. Sanders. Mr. Sanders joined the company in 1945 and worked closely with its agricultural division.

Mr. Sanders became an instructor in entomology at Ohio State University in 1901. He then spent five years in the Department of Agriculture's bureau of entomology and, in 1910, joined the staff of the University of Wisconsin and organized its department of entomology.

He was made state entomologist for Wisconsin in 1915 and later economics zoologist for Pennsylvania. It was during this period that Mr. Sanders drafted the first insecticide bills for these two states and helped to draft uniform interstate horticultural bills for the transshipment of nursery stock. He joined the Sun Oil Company in 1923 as entomologist and was associated with that company for over fifteen years.

Mr. Sanders is past president of the American Association of Economic Entomologists, past secretary of the Association of Horticultural Inspectors, and past secretary of the Entomological Society of Washington.

APMA Sets Meeting Dates

The 1951 annual meeting of the American Pharmaceutical Manufacturers' Association will be held at the Boca Raton Club, Boca Raton, Fla., April 2 through 4. The 1952 meeting will be at the Greenbrier, White Sulphur Springs, W. Va., on March 26 through 28.

Oils, Fats Consumption: May

Factory consumption of primary oils, fats, fatty acids, and related materials in May, 1950, totaled 1,195,582 pounds, according to the Bureau of the Census. Consumption in the major specified lines of industry included the following quantities:—

	Pounds
Edible products	255,194
Paint and varnish	50,140,000
Processing	271,297,000
Refining	382,710,000
Soap	141,988,000

Factory consumption of individual materials was reported as follows:—

Oils

	Pounds	
Babassu—	Crude	Refined
Refining	1,348,000	.....
Soap	1,440,000	[1] .....
Other uses	.....	.....
Castor—	No. 1	No. 3
Refining	.....	.....
Fat-splitting	[1]	[1] .....
Sulphonation	264,000	349,000
Soap	[1]	[1] .....
Paint and varnish	614,000	61,000
Linoleum and oilcloth	[1]	[1] .....
Chemicals	[1]	[1] .....
Lubricants and greases	28,000	22,000
Other uses	1,353,000	395,000
Castor, dehydrated—		
Soap	.....	.....
Paint and varnish	.....	3,001,000
Linoleum and oilcloth	.....	.....
Lubricants and greases	.....	.....
Other uses	.....	520,000
Coconut—	Crude	Refined
Refining	28,931,000	.....
Deodorizing	.....	4,124,000
Hydrogenation	.....	2,206,000
Fat-splitting	4,606,000	.....
Sulphonation	24,000	[1] .....
Shortening	.....	.....
Other edible products	[1]	1,754,000
Chemicals	[1]	[1] .....
Soap	12,920,000	7,439,000
Paint and varnish	[2]	332,000
Other uses	[1]	5,443,000
Cod and codliver—		All grades
Sulphonation	.....	[2] .....
Deodorizing	.....	.....
Paint and varnish	.....	.....
Other uses	.....	[2] .....
Corn—	Crude	Refined
Refining	20,359,000	.....
Sulphonation	[1]	[1] .....
Deodorizing	.....	2,358,000
Winterizing for salad oil	[1]	.....
Shortening	.....	[1] .....
Oleomargarin	.....	[1] .....
Other edible uses	[1]	7,564,000
Soap	.....	[1] .....
Paint and varnish	[1]	.....
Other uses	.....	.....
Cottonseed—	Crude	Refined
Refining	106,665,000	.....
Sulphonation	.....	[1] .....
Hydrogenation	.....	43,372,000
Deodorizing	.....	1,752,000
Winterizing for salad oil	.....	49,022,000
Shortening	.....	27,923,000
Oleomargarin	.....	4,866,000
Other edible uses	.....	1,171,000
Soap	[1]	[1] .....
Paint and varnish	[1]	8,000
Other uses	.....	[1] .....
Fish—	Menhaden	Sardine
Refining	[2]	[2] .....
Fat-splitting	.....	.....
Sulphonation	[2]	138,000
Soap	[2]	[2] .....
Paint and varnish	344,000	988,000
Linoleum and oilcloth	[3]	393,000
Lubricants and greases	73,000	8,000
Other uses	[2]	[2] .....
Fish, other—	Crude	Refined
Refining	.....	.....
Paint and varnish	23,000	286,000
Other uses	[2]	[2] .....
Fishliver, other than cod—		All grades
Sulphonation	.....	[2] .....
Lubricants and greases	.....	.....
Other uses	.....	.....
Linseed—	Raw	Refined
Refining	17,679,000	.....
Fat-splitting	[1]	[1] .....
Soap	[1]	[1] .....
Paint and varnish	10,713,000	12,380,000
Linoleum and oilcloth	6,912,000	982,000
Lubricants and greases	2,000	[1] .....
Other uses	[1]	[1] .....
Marine mammal—		All grades
Refining	.....	.....
Sulphonation	.....	163,000
Paint and varnish	.....	[2] .....
Chemicals	.....	105,000
Lubricants and greases	.....	739,000
Other uses	.....	[2] .....
Neatsfoot—		All grades
Refining	.....	.....
Sulphonation	.....	37,000
Soap	.....	[2] .....
Chemicals	.....	[2] .....
Lubricants and greases	.....	14,000
Other uses	.....	[2] .....
Oiticica—		All grades
Paint and varnish	.....	400,000
Linoleum and oilcloth	.....	.....
Other uses	.....	[2] .....
Oleo—		All grades
Shortening	.....	[2] .....
Oleomargarin	.....	380,000
Other edible uses	.....	[2] .....
Soap	.....	[2] .....
Lubricants and greases	.....	[2] .....
Other uses	.....	.....
Olive—	Edible	Inedible
Edible uses	[1]	.....
Soap	.....	[1] .....
Other uses	.....	.....
Palm—	Crude	Refined
Soap	[1]	[1] .....
Lubricants and greases	[1]	[1] .....
Other uses	.....	.....
Palmkernel—	Crude	Refined
Soap	.....	.....
Peanut—	Crude	Refined
Refining	8,905,000	.....
Sulphonation	.....	120,000
Hydrogenation	.....	1,089,000
Deodorizing	.....	4,258,000
Winterizing for salad oil	.....	.....
Shortening	.....	[1] .....
Oleomargarin	.....	[1] .....
Other edible uses	[1]	708,000
Soap	[1]	[1] .....
Other uses	.....	[1] .....
Perilla—		All grades
Paint and varnish	.....	.....
Rapeseed—		
Lubricants and greases	.....	162,000
Sesame, refined—		
All uses	.....	46,000
Soybean—	Crude	Refined
Refining	138,314	.....
Fat-splitting	[1]	.....
Sulphonation	24,000	44,000
Hydrogenation	[1]	36,499,000
Deodorizing	.....	5,386,000
Winterizing for salad oil	.....	[1] .....
Shortening	[1]	53,181,000
Oleomargarin	.....	2,258,000
Other edible uses	.....	7,245,000
Soap	150,000	[1] .....
Paint and varnish	381,000	7,287,000
Chemicals	[1]	[1] .....
Lubricants and greases	48,000	15,000
Linoleum and oilcloth	[1]	2,216,000
Other uses	2,145,000	1,181,000
Tallow—		All grades
Soap	.....	56,494,000
Lubricants and greases	.....	1,377,000
Other uses	.....	[2] .....
Tung—		All grades
Paint and varnish	.....	6,930,000
Chemicals	.....	[1] .....
Lubricants and greases	.....	[1] .....
Linoleum and oilcloth	.....	420,000
Other uses	.....	[1] .....
Vegetable, not specified—		Pounds All grades
Refining	.....	1,733,000
Fat-splitting	.....	[1] .....
Hydrogenation	.....	[1] .....
Sulphonation	.....	17,000
Winterizing for salad oil	.....	.....
Shortening	.....	.....
Oleomargarin	.....	.....
Other edible uses	.....	.....
Soap	.....	.....
Paint and varnish	.....	139,000
Linoleum and oilcloth	.....	[1] .....
Chemicals	.....	[1] .....
Lubricants and greases	.....	[1] .....
Other uses	.....	[1] .....

Fats and Greases

Grease and lard oil—		Pounds
Sulphonation	.....	[2] .....
Soap	.....	.....
Lubricants and greases	.....	1,700,000
Other uses	.....	[2] .....
Grease, not specified—		
Refining	.....	.....
Fat-splitting	.....	7,173,000
Winterizing and pressing	.....	.....
Sulphonation	.....	8,000
Hydrogenation	.....	1,283,000
Pressing	.....	5,562,000
Soap	.....	28,282,000
Lubricants and greases	.....	1,062,000
Other uses	[3]	.....
Lard—	Rendered	Refined
Shortening	[3]	[2] .....
Oleomargarin	296,000	[2] .....
Hydrogenation	1,075,000	[2] .....
Other edible uses	267,000	235,000
Soap	.....	[2] .....
Lubricants and greases	183,000	43,000
Other uses	[2]	[2] .....
Stearin, animal—	Edible	Inedible
Shortening	1,058,000	.....
Oleomargarin	332,000	.....
Other edible uses	158,000	.....
Soap	.....	80,000
Other uses	[2]	244,000
Stearin, vegetable—		
Shortening	.....	6,331,000
Oleomargarin	.....	578,000
Hydrogenation	.....	2,480,000
Other edible uses	.....	26,000
Other uses	.....	[2] .....
Tallow, edible—	Crude	Refined
Refining	[2]	[2] .....
Hydrogenation	.....	[2] .....
Pressing	2,849,000	.....
Shortening	784,000	651,000
Other edible	178,000	[2] .....
Soap	[2]	[2] .....
Lubricants and greases	[2]	.....
Other uses	[2]	.....
Tallow, inedible—	Crude	Refined
Refining	22,494,000	.....
Fat-splitting	11,812,000	.....
Hydrogenation	643,000	[2] .....
Sulphonation	387,000	[2] .....
Soap	56,494,00	21,043,000
Lubricants and greases	1,377,000	.....
Other uses	[2]	[2] .....

Fatty Acids and Acid Stocks

Animal fat and oil fatty acids, not specified—	
Winterizing and pressing	7,063,000
Soap	309,000
Lubricants and greases	523,000
Other uses	4,614,000
Animal oil foots (100 percent basis)—	
Soap	[2] .....
Other uses	.....
Fatty acid stocks, not specified—	
Refining	.....
Fat-splitting	[2] .....
Sulphonation	[2] .....
Soap	.....
Paint and varnish	76,000
Linoleum and oilcloth	.....
Lubricants and greases	[2] .....
Other uses	.....
Fish and marine mammal oil fatty acids—	
Sulphonation	41,000
Paint and varnish	[2] .....
Lubricants and greases	.....
Other uses	[2] .....
Fish and marine mammal oil foots (100 percent basis)—	
Other uses	432,000
Olive oil foots (including sulphur oil)—	
Soap	319,000
Red oil—	
Sulphonation	210,000
Soap	1,783,000
Paint and varnish	12,000
Chemicals	342,000
Lubricants and greases	338,000
Other uses	[2] .....
Stearic acid—	
Sulphonation	10,000
Soap	305,000
Paint and varnish	45,000
Lubricants and greases	305,000
Chemicals	575,000
Other uses	78,000
Vegetable oil fatty acids—	
Sulphonation	.....
Hydrogenation	[2]
Soap	2,917,000
Paint and varnish	1,150,000
Lubricants and greases	[2]
Chemicals	383,000
Other uses	[2] .....
Vegetable oil foots (100 percent basis)—	
Fat-splitting	14,171,000
Soap	3,491,000
Paint and varnish	48,000
Other uses	[2] .....

Unclassified

Materials not shown separately—	
Refining	5,283,000
Fat-splitting	1,548,000
Hydrogenation	4,839,000
Sulphonation	1,011,000
Pressing	2,353,000
Shortening	3,099,000
Oleomargarin	143,000
Soap	2,233,000
Paint and varnish	491,000
Linoleum and oilcloth	[3]
Chemicals	3,355,000
Lubricants and greases	479,000
Other uses	9,864,000

[1] Included in "Vegetable oils, not specified," including small quantities for items for which data are not reliable.

[2] Included in "Materials not shown separately," including small quantities for items for which data are not reliable.

[3] Not shown to avoid disclosure of individual operations.

Synthetic Fuels Program Expansion Voted in House

The house committee on public lands last week gave speedy approval to a bill (H. R. 8975) to continue and enlarge the synthetic liquid fuels program of the Bureau of Mines. It had been introduced earlier in the week by Representative J. Hardin Peterson of Florida, chairman of the committee.

The bill authorizes an additional $27,600,000 for synthetic fuels research and demonstration programs and extends the authority of the bureau to engage in this work until March 15, 1955. The authority presently expires March 15, 1951, and the funds available for expenditure is limited to $60,000,000.

Of the $27,600,000 additional funds authorized for the program, $2,600,000 was earmarked by the committee for construction of an experimental plant at Morgantown, W. Va., for basic research in coal, oil, natural gas and peat. The remaining $25,000,000 is related directly to the synthetic liquid fuels program.

Diamond Alkali Appoints Seyb Research Manager

Dr. L. P. Seyb, since 1942 a chemist and group leader in the research department of Diamond Alkali Company, Cleveland, has been named manager of research. He succeeds J. E. Underwood, who relinquishes the post he has held for the past six years to become a research consultant for the company.

Dr. Seyb first came to Diamond from the Phillips Petroleum Company, Bartlesville, Okla., where he had been a chemistry assistant in the patent department for three years. His research work with Diamond as a group leader, broad in scope, has included product development projects involving fatty acids, wetting agents, textile bleaching and flameproofing materials, ethylene derivatives, chloro hydrocarbons, and inorganic silicates.

Mr. Underwood enters the consulting field with a distinguished record in chemistry and physics compiled over a number of years, including six with Diamond as its manager of research. Previously, he had been manager of research and development for the Pennsylvania Salt Manufacturing Company, Philadelphia, for sixteen years. From 1923 to 1927, he was director of research for the National Lime Association.

Koppers Appoints Jones Int'l Development Manager

Irvin H. Jones, manager of the patent section of the research department of Koppers Company, Inc., since 1944, will become international development manager for the firm on August 1. In the new position, Mr. Jones will be responsible for the development of management-type contracts and the participation of Koppers in foreign business ventures with foreign nationals in the chemical, tar products, wood preserving, coke and metal products fields.

Foreign industrial design, engineering, and construction contracts and work still will be handled by the company's engineering and construction division. Dr. W. C. Rueckel, vice-president, who has assisted in setting up the international development program of the company since formation of an international sales section last February, will return to his position as manager of export sales for the engineering and construction division.

The appointment of Dr. W. J. Monacelli, assistant manager of the patent section, research department, to the position of acting manager of that section, succeeding Mr. Jones, also was announced. D'Alelio, vice-president and manager of the Research Department.

O'Brien Retires from Glidden

W. J. O'Brien, vice-president of the Glidden Company, Cleveland, has retired, but will continue as a member of the company's board of directors and as a technical consultant, it was announced last week.

Mr. O'Brien began his career with Glidden in 1920 as a chemist in the food division in Chicago. Subsequently he was placed in charge of the company's chemical and pigment division and helped bring it to leadership in production of lithopone and titanium dioxide, major white pigments, as well as white lead and the cadmium colors. He later became a director of the company, vice-president in charge of manufacturing and research, and chairman of the manufacturing and research committee.

Now Official in the U.S.P.

Vitamin B_{12} (Crystalline*)

**Vitamin B_{12} occurs as dark red crystals or as a crystalline powder.*" (*Third U.S.P. XIII Sheet Supplement*)*

VITAMIN B_{12} (Crystalline) now is included in U.S.P. XIII. This official recognition is based on the fact that potency and purity of the crystalline material can be accurately established.

CRYSTALLINE VITAMIN B_{12} OFFERS THESE ADVANTAGES:

PERMITS CLAIMS of known, controlled vitamin B_{12} content on your label. (*see* statement of U.S.P. Antianemia Preparations Advisory Board).

PURITY, potency, identity determined **BY SPECIFIC QUANTITATIVE ASSAY METHODS.** The minimum purity of Crystalline Vitamin B_{12} Merck is 95% of vitamin B_{12} on an anhydrous basis.

THE MOST POTENT therapeutic substance known, on a weight-for-weight basis.

STABILITY: Special methods ensure the absence of impurities known to induce decomposition. Stability of Crystalline Vitamin B_{12} Merck, in both crystalline form and in solution, has been maintained for periods of more than one year.

EFFICACY: Including the recent pioneering study of the effect of orally administered B_{12} on human growth and development—virtually all investigations on the clinical value of vitamin B_{12} have been carried out with Crystalline Vitamin B_{12} Merck.

FOR THE MANUFACTURE OF ORAL PRODUCTS: For your convenience, pure Crystalline Vitamin B_{12} Merck also is available in a workable dilution—*0.1%* TRITURATION OF CRYSTALLINE VITAMIN B_{12} WITH SODIUM CHLORIDE. This form is designed to minimize problems of weighing and handling in the making of tablets and filling of hard gelatin capsules.

Studies on Oral Administration

Studies on the possible usefulness of vitamin B_{12} in human nutrition are still in the early investigational stage. Many pharmaceutical manufacturers have noted with special interest the results of the first of these studies[1] in which Crystalline Vitamin B_{12} Merck was administered to a group of nutritionally deficient children.

These observations were made with
CRYSTALLINE VITAMIN B_{12} MERCK

Wetzel, *et al.*, found "what may be termed B_{12} functional deficiency, that was definitely benefited by oral therapy" with Crystalline Vitamin B_{12}. Over a 60-day period, the authors observed growth responses which were "equivalent to another 100–240 days of regular institutional care without the help of B_{12}." Besides growth improvement, the responding children showed increased physical vigor, alertness, better general behavior and greatly improved appetite. These data point the way to new lines of clinical investigation.

[1] Wetzel, N. C., Fargo, W. C., Smith, I. H., and Helikson, J.: *Growth failure in school children as associated with vitamin B_{12} deficiency—response to oral therapy*, Science 110: 651–653, December 16, 1949.

Your inquiries are cordially invited.
CALL MERCK FOR VITAMINS

CRYSTALLINE VITAMIN B_{12}
SYNTHETIC VITAMIN A
THIAMINE MONONITRATE
THIAMINE HYDROCHLORIDE
RIBOFLAVIN
NIACIN
NIACINAMIDE
NIACINAMIDE HYDROCHLORIDE
PYRIDOXINE HYDROCHLORIDE
CALCIUM PANTOTHENATE DEXTROROTATORY
ASCORBIC ACID
MENADIONE (VITAMIN K ACTIVE)
VITAMIN K_1
ALPHA TOCOPHEROL
ALPHA TOCOPHERYL ACETATE
CHOLINE

MERCK

Crystalline Vitamin B_{12} Merck

MERCK & CO., INC. *Manufacturing Chemists* RAHWAY, N. J.

Current Market Quotations

Chemicals and Related Materials

July 14, 1950

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.

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A

Acacia (see Gum, arabic).
Acenaphthene, below 92.5 C., m.p., dms., works lb .40 - —
above 92.5 C, m.p. dms., works, lb. .50 - —
Acetaldehyde, 99%, dms., c.l., frt. equald lb. .11½- —
t.c.l., frt. equald lb. .12 - .12½
tanks, frt. equald lb. .09½- —
Acetaldol (see Aldol).
Acetamide, tech. fib., dms lb .40 - —
Acetanilide, tech. bbls., c.l., dlvd or frt. equald lb. .22 - —
t.c.l., ton tots lb. .23 - —
smaller lots lb. .26 - —
USP, bbls., 2,000-lb. lots lb. .50 - —
smaller lots lb. .56 - —
Acetic anhydride dms., c.l., frt. alld. E lb. .13 - —
t.c.l., frt alld E lb. .14½- —
tanks, frt. alld E lb. .11½- —
Acetoacetanilide, bbls., dlvd lb. .67½- —
fib dms., c.l., dlvd lb. .66½- —
t.c.l., dlvd lb. .67½- —
Acetoacetorthoanisidide, fib dms., works, 500 lbs. or more lb 1.50 - —
smaller lots, same basis lb 1.75 - —
Acetoacetorthochloranilide, bbls., dlvd lb 1.15 - —
fib dms., c.l., dlvd lb. 1.14 - —
t.c.l., dlvd lb. 1.15 - —
Acetoacetorthotoluidide, bbls., dlvd lb. .72½- —
fib dms., c.l., dlvd lb. .71 - —
t.c.l., dlvd lb. .72 - .73
Acetone, CP, dms., c.l., dlvd lb. .09½- —
t.c.l., dlvd lb. .10 - —
tanks, dlvd lb. .07½- —
Methyl (see M).
Acetonitrile, dms., c.l., works lb. .43 - —
t.c.l., works lb. .45 - —
Acetophenetidin USP, bbls., works, frt. equald lb. 1.10 1.33
Acetophenone, ens, dms lb 1.30 1.93
tech., t.c.l., dms., works lb. .75 - —
Acetoacetoparaphenetidide, dms., 500 lbs or more, works, lb. 1.63 - —
smaller lots same basis lb 1.90 - —
Acetyltributyl citrate, dms lb. .43 - .45
smaller pkgs lb. .46 - .54
Acetyltriethyl citrate, dms lb. .36 - .39
smaller pkgs lb. .41 - .47
Acid, abietic, com'l, dms., c.l., works lb. .10 - —
t.c.l., works lb. .11½- —
cryst., dms., c.l., works lb. .05½- —
t.c.l., works lb. .06 - .06½
Acetic, com'l or redist., 28%, bbls 100 lbs. 4.00 - —
56%, bbls 100 lbs. 7.10 - —
70%, bbls 100 lbs. 8.10 - —
80%, bbls 100 lbs. 8.75 - —
glacial, synthetic, CP, dms., works 100 lbs. 15.00 - —
chys., works 100 lbs. 18.00 - 22.00
USP, chys., works 100 lbs. 13.50 - 17.50
tech., dms., c.l., works 100 lbs. 9.00 - 9.50
t.c.l., works 100 lbs. 9.50 - 10.00
tanks, works 100 lbs. 7.50 - —
Acetic acid price ranges above are for 40 bbls. or more and for smaller lots. Carboys and cases are 50c per 100 lbs. higher.
Acetic annydride (see Acetic anhydride above).
Acetylsalicylic, USP, special, bbls., makers, primary distrib., point of ship't, 100-lb. lots lb. .55 - —
standard, fine, cryst., gran., (30-40 mesh) powd. (80 mesh) bbls. same basis. lb. .50 - —
Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.
Aconitic, 5,000 lbs. 1 shipt, dms lb. .49 - —
smaller lots, dms lb. .49½- .54½
Adipic, fib dms., works lb. .26½- —
Ammoacetic, NF bbls., frt. adjusted lb. 1.50 1.75
Anthranilic, resub, bbls lb. 2.10 - —
tech., bbls. lb. 1.10 - —
Arsenous (tech (see Arsenic, white). USP (see Arsenic trioxide).
Ascorbic, USP, dms, 500-kilo lots. kilo. 24.50 - —
25-50 kilo lots kilo. 25.00 - —
10-kilo lots kilo. 25.35 - —
5-kilo lots kilo. 25.70 - —
bots., kilo lots kilo. 26.41 - —
500 grams kilo. 27.47 - —
Battery, chys, c.l., E. works 100 lbs. 2.00 - —
t.c.l., E., works 100 lbs. 2.30 - —
Benzoic, tech, bbls, dms., 100 lbs. or more lb. .42 - —
USP, bbls, dms, 100 lbs up lb .54 - —
Betahydroxynaphthoic bbls., works lb. 1.25 - —
Boric, tech, 99½%, cryst., bgs., c.l., works ton. 115.25 - —
ton lots ex whse, N. Y. or Chi ton. 160.00 - —
less ton lots same basis. ton. 165.00 - —
bbls., c.l., works ton. 135.25 - —
ton lots ex whse., N. Y. or Chi. ton. 180.00 - —
less ton lots, same basis. ton. 185.00 - —
bulk c.l. works ton. 111.75 - —
gran., bgs., c.l., works ton. 90.25 - —
ton lots ex whse., N. Y. or Chi. ton. 135.00 - —
less ton lots, same basis. ton. 140.00 - —
bbls, c.l., works ton. 110.25 - —
ton lots, ex whse., N. Y. or Chi. ton. 155.00 - —
less ton lots, same basis. ton. 160.00 - —
Acid, boric, tech., 99½%, gran., bulk, c.l., works ton. 56.75 - —
powd., bgs., c.l. works ton. 95.25 - —
ton lots ex whse., N. Y. or Chi ton. 140.00 - —
less ton lots, same basis. ton. 145.00 - —
bbls., c.l. works ton. 115.25 - —
ton lots, ex whse., N. Y. or Chi ton. 160.00 - —
less ton lots, same basis. ton. 165.00 - —
bulk c.l., works ton. 91.75 - —
USP $25 per ton higher.
Broenner's, bbls lb. 1.34 - —
Butyric, 99%, dms., c.l., works. lb. .34½- —
t.c.l., works lb. .35 - —
tankcars, works lb .33 - —
Cacodylic, bots. lb. 10.00 - 11.00
Camphoric, natural, dms lb 5.00 - 5.65
synth., dms lb 4.00 - 4.75
Capric, 70%, dms lb. .27¾- .28½
Caprylic, 65%, dms lb. .49¼- .50
Castor oil, split, dms lb. .27 - .27½
Chlorosulphonic, dms., c.l., works. lb. .03¼- —
t.c.l., works lb. .03¾- —
tanks, works lb. .02¾- —
Chromic, 99½-99¾% dms., c.l. works lb. .25½ —
t.c.l., works lb .26 .27
USP (see Chromium trioxide).
Cinnamic, recld, bots lb 2.50 4.00
Citric, anhyd, gran., fine gran., dms., c.l. lb. .26½ —
10,000 lbs. 1 ship't. lb .27 - —
smaller lots lb .27½- —
kgs. lb .28½- —
Anhydrous citric acid powder ½c. per lb higher.
USP cryst., dms., c.l. lb .27½- —
10,000 lbs., 1 ship't lb .26 - —
smaller lots lb .28½- —
kgs lb .29½- —
gran., fine gran., dms., c.l. lb .24½- —
10,000 lbs. 1 ship't lb .25 - —
smaller lots lb .25½- —
kgs. lb .26½- —
USP citric acid powder ½c. per lb higher.
Cleve's, mixed, bls lb. .72 - —
Coconut oil, dist., dms lb. .24½- .25¼
double dist., dms lb. .26½- .27¾
Cottonseed oil, dist., dms lb. .12¼- .13¼
Cresylic, dom., coaltar, 50% above 207°C, non-ret, dms., c.l., frt. equald gal. .81 - .96
t.c.l., non ret. dms., same basis gal. .84 - .99
ret. dms., c.l., same basis gal. .78 - —
t.c.l. same basis gal. .81 - —
Acid, cresylic, dom., coaltar, 50% above 207°C, tanks, same basis gal. .70 - .83
204° to 207° C, non-ret, dms., c.l., same basis gal. .91 - .96
t.c.l., same basis gal. .94 - .99
ret. dms., c.l., same basis gal. .88 - —
t.c.l., same basis gal. .91 - —
tanks, same basis gal. .80 - .85
petroleum, 179°C to 198°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .67½- —
t.c.l., same basis gal. .69½- .71½
tanks, same basis gal. .57 - —
195° to 213°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .55½- —
t.c.l., same basis gal. .57½- .59½
tanks, same basis gal. .45 - —
200°C to 222°C, tanks, Wilmington, Cal gal. .40½- —
211°C to 236°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .53½- —
t.c.l., same basis gal. .55½- .57½
tanks, same basis gal. .43 - —
220°C to 242°C, tanks, Wilmington, Cal gal. .38½- .41½
237°C to 265°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .51½- —
t.c.l., same basis gal. .53½- .55½
tanks, same basis gal. .41 - —
245°C to 298°C, tanks, Wilmington, Cal gal. .36½- —
295°C to 325°C, tanks, Wilmington, Cal gal. .26½- —
imported, coaltar, 75% at 215°C or over, dms., c.i.f. gal. .52½- .57½
Crotonic, fib dms, works lb. .29 - —
Cyanoacetic, tech, bbls lb. .90 1.25
Desoxycholic lb. 17.00 - 22.00
Dichlorophenoxyacetic, (see "D", 2, 4-D)
Diethylbarbituric (see Barbital).
Diglycolic, bgs., works lb. .14 - —
Ethylhexoic, dms, c.l., works lb. .31 - —
t.c.l. works lb .31½- —
tanks, works lb .29½- —
F, bbls., works lb. 1.87 1.93
Folic, bots, fib etns, kilo or more gram 2.00 —
Formic, 85%, chys, c.l. works lb. .13 .13½
t.c.l., works lb. .13½- .14
90%, chys., c.l., works lb. .13½- .14
t.c.l., works lb. .14 .14½
Fumaric, tech., bbls., dms lb. .30 .31
Gallic, NF VII, bbls., 1,000-lb. lots lb. 1.60 —
smaller lots lb 1.63 1.65
technical, bbls., 1,000-lb. lots lb 1.43 —
smaller lots lb 1.46 1.48
Gamma, bbls lb 1.20 —

Abbreviations

Used in OPD Market Quotations

ACS	American Chemical Society	dist.	distilled	neut.	neutral.
		dextro.	dextrorotatory	NF	National Formulary
alld.	allowed	distr.	distributor		
ammo.	ammonia	djns.	demijohns	nom.	nominal
amorph.	amorphous	dlvd.	delivered	No.	number
anhyd.	anhydrous	dms.	drums	ord.	ordinary
a.p.a.	available phosphoric acid	dom.	domestic	oz.	ounce
		E.	east	Pac.	Pacific
artif.	artificial	e.p.	end point	pf.	proof
ASTM.	American Society for Testing Materials	equald.	equalized	phos.	phosphate
		F.	fahrenheit	photo.	photographic
		ferment.	fermentation	pkgs.	packages
Be.	Baume	ffa.	free fatty acid	powd.	powdered
bgs.	bags	ffc.	free from chlorine	precip.	precipitated
bbls.	barrels			prod.	producer
bls.	bales	fib.	fiber	pt.	point
bots.	bottles	f.o.b.	free on board	pulv.	pulverized
b.p.	boiling point	F.P.A.	free of prussic acid	purif.	purified
b.p.l.	bone phosphate of lime			redist.	redistilled
		frt.	freight	refd.	refined
b.r.	boiling range	fus.	fused	refy.	refinery
bxs.	boxes	gal.	gallon	reg.	regular
C	centigrade	gran.	granular	resub.	resublimed
cbys.	carboys	grd.	ground	ret.	returnable
CD	completely denatured	i.&a.	iron and aluminum	SD	specially denatured
c.i.f.	cost, insurance, freight	i.b.p.	initial boiling point	s.d	single distilled
cks.	casks			S. E.	southeast
c.l.	car lots	imp.	imported	secs.	seconds
cns.	cans	incl.	included	s.g.	specific gravity
col.	color	indust.	industrial	ship't	shipment
com'l	commercial	kgs.	kegs	solut.	solution
conc.	concentrated	lacq.	lacquer	s.u.	standard unit
CP	chemically pure	lb.	pound	synth.	synthetic
cps.	centipoises	l.c.l.	less than car lots	tech.	technical
cryst.	crystal	liq.	liquid	USP	U S Pharmacopoeia
cs.	cases	m.a.p.	mixed aniline point	vis.	viscosity
ctns.	cartons			VM&P	varnish makers & painters
cyls.	cylinders	min.	minimum		
dbl.	double	m.p.	melting point	W	west
denat.	denatured	N.	nitrogen	w.w.	water white
dest.-dist.	destructive-distilled	nat.	natural	whse.	warehouse

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown, gives the price of 2,000 pounds of the material.

Acid, glucomc, tech., 50%, bots lb. .23 - .31
dms. lb. .14 - —
kgs. lb. .16 - —
Glutamic, laevo, 99%, fiber dms., 100 lb lots, works lb 2.30 2.40
25 lb. lots lb. 2.45 - —
Glycerophosphoric, 35%, dms., works lb. 2.13 2.23
Glycolic (see Acid, hydroxyacetic).
H, 100% basis, bbls., works lb. .73½- —
Hydriodic, 45-47%, chys lb 2.57 2.59
57%, chys lb. 2.86 - —
Hydrobromic, mednemal, 48%, chys., dlvd. E lb. .38 —
tech., 48%, chys., dlvd E lb. .34 .36
34%, chys., dlvd E lb .35 .37
Hydrochloric (see Acid, muriatic).
Hydrocyanic, cyls., works lb. 1.00 - —
dilute, NF, 2%, 5-lb. bots lb. .37 - —
Hydrofluoric, anhyd., cyls., works, lb. .19 - .19½
tanks, works lb. .16½- —
30%, wood or rubber, dms., works lb. .08½ .09
70%, steel dms., works lb. .143 .148
Hydrofluosilicic, 30-35%, bbls lb. .08 .09
Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. .084 —
tanks, Belle, W Va., 100% basis lb. .083 —
Hypophosphorus, purif., 50%, chys. lb. 1.30 1.32
USP, chys lb. .78 —
J, bbls., works, 100% basis lb. 2.30 2.35
L, bbls., works lb. .95 —
Lactic, edible, 50%, bbls., 20 or more lb. .18½- —
smaller lots lb. .19 - —
80%, bbls. 20 bbls. or more. lb. .235 .339
plastic grade, 50% bbls., 20 or more lb. .19¾ —
10 or less lb. .20¾ —
80%, bbls., 5 or less lb. .3493 .3543
tech., 22%, bbls., c.l., works 100 lbs. 5.80 —
t.c.l., works 100 lbs. 6.20 —
chys., works 100 lbs. 6.70 —
44%, bbls., c.l., works 100 lbs. 10.95 —
t.c.l., bbls., works 100 lbs. 11.35 —
chys., works 100 lbs. 11.85 —
NF, 85%, chys lb. .69 .72
Laurent's, bbls lb. .60 - .67
Lauric, dist., 85-90%, dms lb. .30 - .39¾
Linseed oil, reg. dist., dms lb. .2170- .2220
water-white, dms lb. .2470- .2520
Malcic, powd., dms lb. .30 .31
Anhydride (see M).
Malic, dms lb. .45 - —
Mandelic, NF, dms., 1,000-lb. lots lb. 1.85 —
smaller lots lb. 1.90 2.10
Methacrylic, dms., c.l., and truckloads, works lb. .76 —
less than truckload, works lb. .76½- .80
Mixed, tanks, nitric unit lb. .05 .06
sulphuric unit lb. .0065 .009
Molybdic, dms., 85%-92%, works lb. .88 - —
Monochloroacetic, purified, flake, 99%, dms lb 22½ 23½
tech., flake, 96-97%, bbls lb. .18 - .19
Muriatic, 18°, chys., c.l., works, 100 lbs. 1.80 - 2.15
t.c.l., works 100 lbs. 2.20 - 2.25
tanks, works ton. 20.00 - —
20°, chys., c.l., works 100 lbs. 2.15 - 2.65
t.c.l., works 100 lbs. 2.45 - 3.75
tanks, works ton. 22.00 - —
22°, chys., c.l., works 100 lbs. 2.65 - —
t.c.l., works 100 lbs. 3.05 - 3.75
tanks, works ton. 27.00 - —
CP, USP, consumers, chys., extra, c.l., frt. equald lb. .07¾ —
t.c.l., same basis lb. .09¼ 09¾
5 pint bottles extra, cs., c.l., frt. equald lb. .12¾ —
t.c.l., same basis lb. .14¼ .15¼
Acid, muriatic, CP, USP, prices to dealers 1½c. per lb. less.
Myristic, dist., dms lb. .30½- —
Naphthenic, 220-230 acidity, dms., works lb. .13 - —
tanks, works lb. .11 - —
230-240 acidity, dms., works lb. .22 - —
tanks, works lb. .19 - —
Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)
Naphthol (1)-5-sulphonic see Acid, A).
Naphthol(1)-5-sulphonic,8-amino (see Acid, S).
Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).
Naphthol(2)-6,8-disulphonic (see Acid, Gamma)
(2)-7-Sulphonic,2-amino (see Acid, J).
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed)
Naphthylamine(1)-5-sulphonic (see Acid, Laurent's).
(2)-6-sulphonic (see Acid, Broenner's)
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).
Neville and Winther's, dms lb. .58 - —
Nicotinic, USP, dms., frt adjusted kilo. 8.00 - 8.30
Nicotinic amide (see Nicotinamide).
Nitric, 36° chys., c.l., E. works 100 lbs. 5.00 —
t.c.l., E. works 100 lbs. 5.40 6.10
38° chys. c.l., E. works 100 lbs. 5.50 —
t.c.l., E. works 100 lbs. 5.90 6.60
40° chys. c.l., E. works 100 lbs. 6.00 6.50
t.c.l., E. works 100 lbs. 6.40 - 7.10
42° chys., c.l., E. works 100 lbs. 6.50 - 7.00
t.c.l., E. works 100 lbs. 6.90 - 7.60
CP, NF, consumers, chys., extra, c.l., frt. equald lb. .11¼ —
t.c.l., same basis lb. .13 .13½
5 pint bottles extra, cs., c.l., frt equald lb. .15½ —
t.c.l., same basis lb. .17 .18
Acid, nitric, CP, NF, prices to dealers 1½c. per lb. less.

Acid, Octoic—Alcohol, Phenylethyl

Acid, octoic (see Acid, ethylhexoic).
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Orthocresotinic, dms. ton lots, works lb. .62 - —
smaller lots, works lb. .64 - —
Oxalic, bbls., c.l., works lb. .14¼- —
10,000 lbs., works lb. .14½- —
smaller lots, works lb. .15¼- .15¾
Palm oil, white, dist., dms lb. .21¼- .21¾
Para-aminobenzoic, purified, dms., 100 lbs. or more, works lb. 3.75 - —
smaller lots, works lb. 3.85 - 4.00
Technical, dms lb. 1.84 - —
Para-aminosalicylic, dms., 1,000-lb. lots or more lb. 5.50 - —
smaller lots lb. 5.55 - 6.50
Paramethylphenylcinchonic (see Neocinchophen).
Paranitrobenzoic, dms lb. .87 - —
Paratoluidinmetasulphonic, bbls., works lb. .92 - —
Peanut oil, s.d., dms lb. .12¾- .13¾
Perchloric, 60%, cbys., works lb. .58 .62
70-72%, cbys., works lb .61 .66
Phenylacetic, bots lb. 1.45 - 1.75
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid mandelic).
Phosphoric, food grade, 75%, cbys., c.l., works, frt. equald 100 lbs. 6.50 - —
l.c.l., works, frt. alld. 100 lbs. 7.50 - —
tanks, works, frt. equald 100 lbs. 4.50 - —
NF, 85%, cbys., c.l lb .10½- —
For shipments in cbys., add handling charges.
Picramic, ogs lb. .65 .70
Picric, NF, 300 lb. bbls lb. .50 - —
smaller lots, dms lb. .81 - .87
tech., bbls lb. .32 - .33

Acid, propionic, natural, dms., works lb. .18 - —
tanks, works lb. .17 - —
synth., pure, dms., works lb. .21 - —
tanks, works lb. .19 - —
Pyrogallic, tech., bbls lb. No prices.
NF, cryst., dms lb. 2.95 - 3.18
resub., dms lb. 3.30 - 3.45
Pyroligneous, dms. incl., l.c.l., ex whse gal. .43 - —
Ricinoleate (see Acid, castor oil, split).
S, bbls., works lb. 2.97 - 3.00
Salicylic, crude, bbls lb. .28 - —
sublimed, tech., bbls., c.l lb. .31 - —
l.c.l. bl. .38 - —
dyestuffs grade, bbls lb. .32 - —
USP, cryst., bbls lb. .40 - —
powder, bbls lb. .45 - —
Sebacic, purified, dms., c.l., works. lb. .47 - —
l.c.l., works lb. .49 - .53
Soybean oil, single, dist., dms. lb. .14 - .15¼
double dist., dms lb. .15 - .16¼
Stearic, double pressed, bgs lb. .13¾- .15
single-pressed, bgs lb. .12¾- .14
triple-pressed, bgs lb. .16 - .17¼
Succinic, purified, cryst., bbls., works lb. .75 - —
tech., bbls., works lb. .65 - .75
Sulphanilic, tech., dms., c.y., works lb. .15 - —
l.c.l., works lb. .17 - —
Sulphuric, 60° Be, cbys., c.l., works 100 lbs. 1.65 - —
l.c.l., works 100 lbs. 1.95 - 2.50
tanks, works ton.14.40 -14.50
66° Be, cbys., c.l., works 100 lbs. 1.90 - —
l.c.l., works 100 lbs. 2.30 - 2.75
tanks, works ton.17.75 -18.00
98%, tanks, works ton.18.80 -19.00

Acid, sulphuric, CP, NF, consumers, cbys., extra, c.l., works, frt. equald lb. .67¾- —
l.c.l., same basis lb. .09¼- .09¾
5 pt. bottles extra, cs., c.l., works, frt. equald lb. .11¼- —
l.c.l., same basis lb. .12¾- .13¾
fuming, 20%, tanks, works ton.19.85 -20.00
acid sulphuric, CP, NF prices to dealers 1½c. per lb. less.
Tallow, dist., dms lb. .10½- .11¾
Tannic, tech., 60-62%, dms lb. .68 - .69
70-72%, dms. lb. .80 - .85
75-76%, dms. lb. .86 - .90
fluffy, bbls., 1,000-lb. lots lb. 1.45 - —
smaller lots lb. 1.46 - 1.55
powder, bbls., 1,000-lb. lots lb. 1.35 - —
smaller lots lb. 1.36 - 1.50
Tartaric, USP, dom., 230, 250-lb. dms., 10,000 lbs., 1 ship't. lb. .29½- —
smaller lots lb. .30 - —
100-lb. dms lb. .31 - —
small dms lb. .33 - .35
imported, kgs lb. .27 - .29
Thioglycolic, refined, bbls., cbys., basis 100% lb. 1.60 - 1.80
tech., bbls., cbys., basis 100% lb. 1.40 - —
Tobias, bbls. lb. .65 - —
Trichloroacetic, bots. lb. 2.00 - 2.50
Toluenesulphonic, dms., c.l., works lb. .18½- —
l.c.l., works lb. .20 - —
tanks, works lb. .17 - —
Tungstic, tech., kgs., works lb. 2.20 - 2.40
Undecylenic, dms lb. 1.00 - 1.25
Aconite leaves, bls lb. .55 - .60
Root, bls lb. .48 - .52
Aconitine, amorph., mild, bots oz.27.50 -32.50
cryst., potent, bots oz.78.00 -85.00
Acrolein, dms., works lb. .50 - —

Acrylonitrile, dms., c.l., works lb. .40½- —
l.c.l., works lb. .41 - .60
tanks, works lb. .39 - —
Adeps lanae (see Lanolin)
Adonis vernalis herb, bls lb. .30 - .40
Agar, USP, Kobe, No. 1 strip, bls lb. 1.23 - 1.30
powdered, 30 mesh, fib. dms lb. 1.65 - —
Agaric, white, bls lb. 1.60 - 1.75
Agrimony herb, bls lb. .30 - .35
Alanine, dextro-laevo, dms., works, lb. 8.50 -11.00
Albumen (egg), edible, flake, bbls. lb. 1.07 - 1.09
powd., bbls lb. 1.11 - 1.13
tech., cryst., bbls lb. .72 - .79
Albumin, blood, dark (see Blood, dried, soluble).
light, dms., l.c.l. lb. .65 - .70
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .31¾- —
l.c.l., dlvd lb. .32½- —
tanks, dlvd. lb. .30 - —
Amyl, ex pentane, dms., c.l., frt. alld. E. Miss lb. .16¾- —
l.c.l., frt. alld. E. of Miss lb. .17¾- —
tanks, frt. alld. E. of Miss lb. .15 —
(see also Fusel oil, ref.)
fermentation, refined, 126-132°C, dms., c.l., dlvd lb. .33¾- —
l.c.l., dlvd lb. .34¾- —
tanks, dlvd lb. .32 - —
128-132°C, dms., l.c.l., dlvd lb. .36 - —
ACS grade, dms., l.c.l., dlvd lb. .42 —
Benzyl, NF, dms lb. .58½- .89
tech., dms., works, frt. equald. lb. .45 .50
Butyl, fermentation, normal dms., c.l., frt. alld lb. .13¾- —
l.c.l., frt. alld lb. .14¾- —
tanks, frt. alld lb. .12 - —
synthetic, normal, dms., c.l., frt. alld lb. .13¾- —
l.c.l., frt. alld lb. .14¾- —
tanks, frt. alld lb. .12 - —
secondary, dms., c.l., frt. alld. lb. .10¾- —
l.c.l., dlvd., frt. alld lb. .11½- —
tanks, dlvd., frt. alld lb. .09 - —
tertiary, dms., c.l., frt. alld. lb. .13¾- —
l.c.l., frt. alld lb. .14½- —
tanks, frt. alld .12 - —
Capryl, dms., c.l., works lb. .26½- —
l.c.l., works lb. .27½- —
tanks, works lb. .25 - —
Cetyl, dom., CP., fiber ctns., 1,000 lbs. lb. 1.50 - —
smaller lots lb 1.55 - —
Cinnamic, bots lb. 2.75 - 3.20
Denatured, CD12, CD13, CD14, dms., dlvd. E. of Miss. R. gal. .54½- —
l.c.l., dlvd. E. of Miss. R. gal. .58½- .63¼
tanks, dlvd. E. of Miss. R. gal. .42½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Proprietary solvent, dms., c.l., dlvd. E. of Miss. R. gal. .54½- —
l.c.l., same basis gal. .58½- .63¼
tanks, same basis gal. .42½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf, dms., c.l., dlvd. E. of Miss. R. gal. .53 - —
l.c.l., same basis gal. .57 - .62
tanks, same basis gal. .41 - —
SD2B, dms., c.l., E. of Miss. R. gal. .52 - —
l.c.l., same basis gal. .56 - .61
tanks, same basis gal. 40 - —
SD3A, dms., c.l., E. of Miss. R. gal. .51½- —
l.c.l., same basis gal. .55½- .60¼
tanks, same basis gal. .39½- —
SD23A, dms., c.l., E. of Miss. R. gal. .53½- —
l.c.l., same basis gal. .57½- .62¼
tanks, same basis gal. .41½- —
SD23H, dms., c.l., E. of Miss. R. gal. .54 - —
l.c.l., same basis gal. .58 - .63
tanks, same basis gal. .42 - —
SD27A, dms., c.l., E. of Miss. R. gal. .84 - —
l.c.l., same basis gal. .88 - .93
tanks, same basis gal. .72 - —
SD30, dms, c.l., E. of Miss. R. gal. .51 - —
l.c.l., same basis gal. .55 - .60
tanks, same basis gal. .39 - —
SD35A, dms., c.l., E. of Miss. R. gal. .53½- —
l.c.l., same basis gal. .57½- .62¼
tanks, same basis gal. .41½- —
SD40, dms., c.l., E. of Miss. R. gal. .52 - .53
l.c.l., same basis gal. .56 - .62
tanks, same basis gal. .40 - .41
Diacetone, acetone free, dms., c.l., dlvd lb. .13¾- —
l.c.l., dlvd lb. .14½- —
tanks, dlvd lb. .12 - —
tech., dms., c.l., dlvd lb. .13¼- —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11½- —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. Miss. R. gal. 17.61 - —
l.c.l., same basis gal. 17.65 -17.70
tanks, same basis gal. 17.49 - —
tax free, dms., c.l., dlvd. E. Miss. R gal. .51 - —
l.c.l., same basis gal. .55 - .60
tanks, same basis gal. .39 - —
absolute, 200 pf., tax paid, dms., c.l., same basis gal. 18.56 - —
l.c.l., same basis gal. 18.60 -18.65
tanks, same basis gal. 18.44 - —
Ethylhexyl, dms., c.l., dlvd lb. .29¼- —
l.c.l., dlvd lb. .30¼- —
tanks, dlvd lb. .27¾- —
Furfuryl, tech., cns., works lb. .30 - —
dms., c.l., works lb. .21½- —
l.c.l., works lb. .23 - —
tanks, works lb. .18 - —
Isoamyl (see Alcohol, amyl fermentation, refined).
Isobutyl, dms., c.l., dlvd lb. .13¾- —
l.c.l., works lb. .14¾- —
tanks, dlvd lb. .12 - —
Iso-octyl, dms., c.l., works lb. .29¼- —
l.c.l., works lb. .29¾- —
tanks, works lb. .26¼- —
Isopropyl, refd., 91%, dms. incl., c.l., dlvd gal. .44 - —
l.c.l., dlvd gal. .49 - —
tanks, dlvd gal. .32 - —
95%, dms. incl., c.l., dlvd gal. .45½- —
l.c.l., dlvd gal. .50½- —
tanks, dlvd gal. .33½- —
99%, dms., incl., c.l., dlvd gal. .47 - —
l.c.l., dlvd gal. .52 - —
tanks, dlvd gal. .35 - —
Methyl (see Metnanol).
Methylamyl (see Carbinol, methylisobutyl).
Nonyl (see Trimethylhexonal).
Octyl, perfumer's grade, bots lb. 1.70 - 3.25
technical (see Octanol normal).
Pantothenyl (see Panthenol).
Phenylethyl, cns lb. 1.30 - 1.60

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Barium Hydroxide—Anhydrous	Strontium Hydroxide—Anhydrous
Barium Carbonate	Strontium Carbonate
Barium Nitrate	Strontium Nitrate
Barium Peroxide	Strontium Peroxide
Barium Chloride	Strontium Chloride
Barium Sulphide	Strontium Sulphide
Barium Acetate	Strontium Acetate
Barium Chromate	Strontium Chromate
Barium Oxalate	Strontium Oxalate
Barium Tartrate	Strontium Tartrate
Barium Fluoride	Strontium Fluoride

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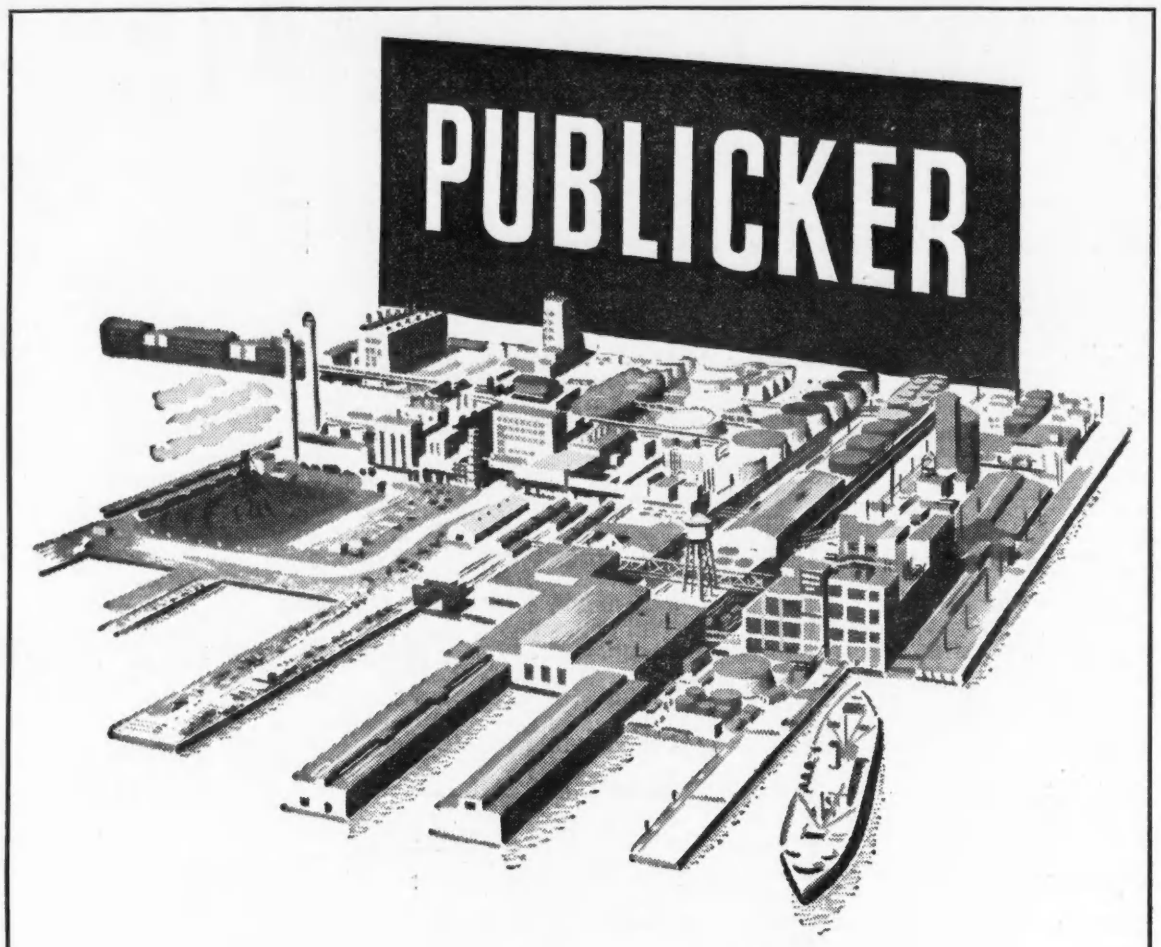
Alcohol, Polyvinyl—Ammonium Thiocyanate

Alcohol, polyvinyl, type A, fiber-pack, Niagara Falls lb. .65 - .70
type B, fiber-pack, same basis lb. .60 - .68
Propyl, normal, dms., c.l., dlvd. lb. .09¾ - —
works lb. .08¼ - —
l.c.l., dlvd lb. .10¾ - —
works lb. .09¼ - —
tanks, dlvd lb. .08 - —
works lb. .06½ - —
Salicyl (see Saligenin).
Tetrahydrofurfuryl cns., Cedar Rapids, Ia lb. .47 - —
dms., c.l., Waverly, N. Y. lb. .40 - —
l.c.l., same basis lb. .44 - —
tanks, Niagara Falls, N. Y. lb. .36 - —
Aldol, 95%, dms., works lb. .15 - .16
denaturing grade dms. gal. 1.33 - 1.48
Aldrin, 60% solut., dms., c.l., works, frt. alld lb. .97 - —
l.c.l., works, frt. alld lb. 1.05 - —
Aletris root bgs lb 1.50 - 1.60
Algin, bbls., fib. dms lb. .76 - 1.20
Alizarin (see Red, alizarin)
Alkanet root, bee lb. .35 - .40
Allethrin, 100%, dms., 1 to 10 dm.-lots lb. 45.00 - —
smaller lots, works lb. 50.00 - 55.00
solution, 20%, dms., 100 lb.-lots, works lb. 9.00 - —
10%, dms., works gal. 37.75 - —
2%, dms., works gal. 7.75 - —
Allspice, Jamaica (see Pimento).
Mexican, bgs. lb. .19 - .19¼
Allyl bromide, cbys., 5,000 lbs., works, lb. .89 - —
smaller lots, works lb. 1.05 - 1.10
Allyl chloride, dms., c.l., dlvd lb. .16¾ - —
l.c.l., dlvd lb. .17½ - —
tanks, dlvd lb. 15 - —
Starch, solid, dms., works lb. .58 - —
solution, 40%, dms., works lb. .279 - .297
50%, dms., works lb. .446 - —
Aloe, Cape, cs lb. .22 - .23
Curacao, kgs lb. .35 - .36
Socotrine, kgs lb. .35 - .36
Aloin, USP, bbls., dms., kgs lb. 3.50 - —
Alphanaphthol, bbls lb. .70 - —
Alphanaphthylamine, bbls lb. .41 - .42
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld lb. 2.00 - 2.40
Alphanitronaphthalene, bbls lb. .34 - —
Alphapicoline, ret. dms. c.l. works, frt. equald lb. .29½ - —
l.c.l., works, frt equald lb. .30 - —
Alphapinene, tanks, South, works gal. No prices.
Alphaterpineol, dms., l.c.l., dlvd. E. lb .17 - —
Alphatocopherol, bots kilo. 350.00 - —
Acetate, bots kilo. 350.00 - —
Althea root, NF, peeled, bls lb .30 - .40
Alum, ammonium, gran., bbls., works 100 lbs. 3.30 - —
lump, bbls., works 100 lbs. 4.05 - —
powd., bbls., works 100 lbs. 4.20 - —
USP, burnt, bbls. lb. .20 - .21
hydrous, bbls. lb. .07¾ - .08
Potassium, gran., bbls., works 100 lbs. 4.05 - —
lump, bbls., works 100 lbs. 4.30 - —
powd., bbls., works 100 lbs. 4.45 - —
USP, burnt, bbls lb. .20 - .21
hydrous, bbls lb. .07¾ - .08
Potash-chrome, dms lb 17 - —
Soda, bbls., c.l., works 100 lbs. 3.25 - —
l.c.l., dlvd 100 lbs. 4.25 - 5.00
Alumina, calcined, bgs., c.l., works lb. .03½ - .05
crystalline (see Aluminum oxide).
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works lb. .11 - —
20%, bbls., l.c.l., works lb. .10 - —
Chloride, anhyd., com'l, dms., c.l., works lb. .11 - —
l.c.l., works lb. .11½ - —
cryst., com'l, dms., c.l., works lb. .0650 - —
l.c.l., works lb. .0690 - —
NF, gran., dms., works lb. .27 - .28
solution, 32°, cbys., c.l., works lb. .03¼ - —
l.c.l., works lb. .04 - —
Fluoride, tech., anhyd., bbls., c.l., works lb. .10 - —
l.c.l., works lb. .11 - .13
Formate, basic solution, cbys., c.l. lb. .09½ - —
l.c.l., works lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald ton. 50.00 - 54.00
l.c.l., works ton. 72.00 - 86.00
light, bgs., dlvd lb. .17 - —
Hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib. dms., works lb. .21¼ - —
contract, works lb. .20¼ - —
9-9½% Al_2O_3, fib. dms., works lb. .18¼ - —
contract, works lb. .17¼ - —
dried, USP XII, fib. dms., works, lb. .79½ - —
contract, works lb. .76½ - —
powder, tech. (see Aluminum hydrate).
Laurate, precip., bbls lb. .38½ - —
Linoleate, solid, dms., frt. alld lb. .39½
Metal, 98-99% ingots, 10,000 lbs. lb. .17½ - —
pigs, 10,000 lbs. lb. .16½ - —
Naphthenate, liquid, 1.7%, frt. alld lb. .24½ - .25
Oleate, dms., precip lb. .35¼ - —
Oxide, amorphous (see Alumina, calcined).

Aluminum oxide, crystalline, flour, classified, 8-240 mesh, dms., frt. alld lb. .14 - .15
kgs., ton, frt. alld lb. .12½ - —
smaller lots, frt. alld. lb. .13 - .15
280-400 mesh, dms., frt. alld lb. .32 - .33
kgs., frt. alld lb. .31 - —
500 mesh, dms., frt. alld lb. .35 - .37
kgs., frt. alld lb. .34 - —
600 mesh, dms., frt. alld. lb. .51 - .53
kgs. frt. a'd lb. .50 - —
Aluminum oxide flour prices W of Denver ¾c. per lb. higher.
optical, floated, kgs., dlvd lb. .36 - .86
unclassified, dms., frt. alld. lb. .16 - .17
kgs., frt. alld lb. .15 - —
Paste, lining, extra fine, dms. lb. .98 - —
standard, dms lb. .29¼ - —
Powder, lining, extra fine, dms. lb. .96 - —
standard, dms lb. .64½ - —
rubber comp., dms lb. .48½ - —
unpolished, standard, dms lb. .44¼ - —
varnish standard, dms lb 49 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Resinate, precip., dms., frt. alld. lb. .24 - —
Aluminum stearate, dibasic, ctns., c.l. lb. .30 - —
l.c.l. lb. .31 - —
monobasic, ctns., c.l. lb. .30 - —
l.c.l. lb. .31 - —
tribasic, ctns., c.l. lb. .29 - —
l.c.l. lb. .31 - —
Sulphate, com'l, bgs., c.l., works, equald 100 lbs. 1.50 - —
l.c.l., same basis 100 lbs. 1.90 - —
Iron-free, bgs., c.l., works, frt. equald 100 lbs. 2.75 - —
l.c.l., works 100 lbs. 3.15 - —
NF, gran., dms., works lb. .27 - .28
powd., dms., works lb. .32 - .33
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, bots oz. 8.00 - 10.00
Aminoazotoluene bbls lb. 1.03 - —
Aminomethylpropanol, cns., dms., works lb. .65 - .69
Aminoethylethanolamine, dms., c.l., works lb. .42 - —
l.c.l., works lb. .42½ - —
tanks, works lb. .40 - —
Aminophylline, USP, 100-lb. dms lb. 5.35 - —
Aminopyrine, USP bots., dms lb. 6.00 - 6.15
Ammonia, anhydrous, fertilizer, tanks, works ton. 74.00 - 75.00
pure, cyls., extra, zone 1 lb. .17 - .17½
2 lb. .19 - .19½
3 lb. .21 - .21½
4 lb. .16 - .19½
refrigeration, tanks, works ton. 76.50 - 77.50
Aqua (29.4% NH_3), dms., c.l., works 100 lbs. 3.10 - —
l.c.l., works 100 lbs. 3.50 - —
tanks, works, anhyd. basis ton. 80.00 - 81.00
Ammoniac gum (see Gum ammoniac)
Sal, gray, bgs., c.l., works, frt. equald 100 lbs. 6.55 - —
l.c.l., same basis 100 lbs. 6.95 - —
white, gran., bgs., c.l., works 100 lbs. 4.60 - —
l.c.l., works 100 lbs. 6.25 - —
Ammoniacal liquor, tankcars, works, anhyd. basis ton. 75.00 - 80.00
Ammonium acetate, purified, dms lb. .39 - .40
reagent, jars lb. .61 - .63
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld lb. .80 - —
smaller lots, frt. alld lb. .81 - 1.08
Biborate, bbls., c.l., works ton. 302.00 - —
ton lots, works ton. 355.50 - —
less ton lots, works ton. 360.50 - —
Bicarbonate, dms., c.l., works lb. .05½ - —
l.c.l., works lb. .06 - —
Bichromate, bbls., works lb. .31 - .36
Bifluoride, dms., dlvd lb. .18 - .18½
Bromide, gran., NF, bbls lb. .36 - .37
dms. lb. .37 - .40
Powdered ammonium bromide 10c. per lb. higher.
Carbonate, USP, lump, powd., dms lb. .20 - .21
Chloride, tech (see Ammoniac, sal).
USP, gran., bbls., dms lb. .18 - .19
Citrate, dibasic, bbls lb. .75 - —
dms. lb. .80 - .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua).
Hypophosphite, NF, dms lb. 2.40 - —
Iodide, NF, jars lb. 3.81 - 3.91
Linoleate, plastic, 80%, dms., works lb. .40½ - —
kgs., works lb. .42½ - —
25%, dms., frt. alld lb. .21½ - —
tech., bbls., works lb. .37 - —
dms., works lb. .39 - —
Molybdate, chemical grade, bbls., kgs lb. .85 - —
metal grade, kgs lb. .90 - —
tech. grade, bbls., kgs lb. .80 - —
Nitrate, fertilizer grade, Canadian, 32.5% N, bgs., c.l., shipping point ton. 57.50 - —
dom., bgs., western works ton. 58.00 - —
Nitrate-dolomite, 20.5% N, bgs., Hopewell, Va ton. 46.00 - —
Oleate, dms., precip lb. 23¼ - —
Oxalate, fine gran., dms lb. .25 - .31
Pentaborate, gran., bbls., c.l., works ton. 212.00 - —
ton lots, works ton. 265.50 - —
less ton lots, works ton. 270.50 - —
Ammonium pentaborate powder, $10 per ton higher.
Perchlorate, kgs., works lb. .50 - .75
Persulphate, kgs lb. .25½ - .28¼
Phosphate, com'l, bgs., c.l., works, lb. .08 - —
l.c.l., works lb. .08½ - —
dibasic, NF V, bbls., dms lb. .40 - —
tech., bgs., c.l., works lb. .08 - —
l.c.l., works lb. .08½ - —
Salicylate, NF, dms., kgs lb 1.25 - 1.28
Silicofluoride, dms., works lb. .12 - .13
Sulphamate, bbls., dms., works lb. .18 - .20
Sulphate, coke-oven, bulk, producing ovens ton. 32.00 - 37.00
converters' bulk, works ton. 37.50 - 38.00
Sulphide, liquid, 40-45% basis, 100%, dms., c.l., works. lb. .10½ - —
l.c.l., works lb. .15½ - —
tanks, dlvd or frt. alld lb. .09 - —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate, tech., bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .19



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Ammonium thioglycollate, commercial, 100% basis, cbys.. lb. 1.40 - 1.95
highly purified, same basis lb. 1.70 - 2.25
Thiosulphate, cryst., jars, works lb. .32 - —
Amphetamine citrate, dextro, bots. lb.36.00 - —
dextro-laevo, dms lb. 6.50 - —
Hydrochloride, dextro, dibasic, bots lb.36.00 - —
monobasic, bots lb.34.00 - —
dextro-laevo, dms lb. 6.50 - —
Phosphate, dextro, dibasic, bots. lb.36.00 - —
dextro-laevo, dibasic, dms lb 6.50 - —
monobasic, dms lb. 6.00 - —
Sulphate, dextro, dms. lb.36.00 - —
dextro-laevo, dms lb. 6.50 - —
Amyl acetate, ex tusel oil, tech., dms., c.l., dlvd lb. .19¾ - —
l.c.l., dlvd lb. .20¾ - —
tanks, dlvd lb. .18 - —
ex pentane, dms., c.l., frt. alld. E. of Miss. R lb. .16 - —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .15 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms lb. .90 - 1.00
Nitrite, USP, bots lb. 1.75 - 1.83
Salicylate, cns., dms lb. .76 - .81
Anethol, NF, cns., dms lb. .93 - 1.25
Angelica root, dom., bls lb. .65 - .70
imported, bls lb. .70 - 75
Angostura bark, bls lb. .44 - .49
Aniline oil, dms., c.l., works, frt. alld. lb. .17 - —
l.c.l., works, frt. alld lb. .16 - —
tanks, works, frt. alld lb. .15 - —
Salt, dms., works lb. .26 - —
Anise, Argentine, bgs lb. No stocks.
Chinese, star lb. .18 - .18¼
Cyprus, bgs lb. .20 .20½
Czech, bgs lb. .13¼ - .13½
Mexican, bgs. lb. .15 - .15½
Syrian, bgs lb. .15 Nom.
Turkish, bgs. lb. .13½ - .14
Anisic aldehyde, bots., dmr lb. 2.00 - 2.45
Annatto powder, dms lb. .24 - .25
Seed, bgs. lb. .16 - .19
Anthracene, 80-85%, bbls., works lb. 1.10 - —
90%, bbls., works lb. 1.25 - —
Anthraquinone, 99.5% bbls lb .85 - —
Antimony butter (see Antimony trichloride).
Metal, bulk, c.l., mines lb. .24½ - —
cases, c.l., mines lb. .25 - —
Oxide, bgs., c.l., frt. alld lb. .21¾ - —
l.c.l., frt. alld lb. .22¾ - —
Trichloride, pails, works lb. .29 - .31
solution, cbys. lb .29 - .30
Salt, 65%, bgs., c.l., dlvd E. of Miss lb. No stocks.
Sulphide, 62-64%, bgs., frt. alld., dlvd lb. .20 - .23
Antimony-potassium tartrate (see Tartar emetic).
Antipyrene, USP, dms lb. 2.35 - 2.45
Apomorphine, USP, bots. oz.23.20 -23.70
Archil extract, bbls lb. No stocks.
Areca nuts, powd., bbls lb .15 - .16
Arecoline hydrobromide, NF, bots. oz. 5.00 - 5.75
Arginine hydrochloride, laevo, kilo.70.00 -80.00
Argols, min. 50%, bgs., shipment ports, per 100 kilos (100% purity) 15.00 -16.25
Arnica, flowers, bls lb. .45 - .50
root, bls. lb. 1.45 - —
Arrowroot, powd., bgs lb. .12 - .15
Arsenic, metal, lump, obls., prompt shipt lb. .80 .90
Sulphide, yellow, bbls lb. No stocks
Trioxide, USP, dms lb. .40 .42
White, powd. bbls., c.l., dlvd lb. .05½ - —
l.c.l., dlvd lb. .06¼ - .06¾
Asafetida, cs lb. .32 - .35
powd., bbls., dms lb. .50 .53
Asbestine (see Talc, fibrous, N. Y.).
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines ton.940.00 -960.00
No. 2, c.l. (20 tons), mines ton.483.00 -492.00
Run-of-mine, c.l. (20 tons), mines ton.400.00 - —
fiber, 3K, c.l. (20 tons), mines ton.313.00 - —
3R, c.l. (20 tons), mines ton.267.00 - —
3T, c.l. (20 tons), mines ton.249.50 - —
3Z, c.l. (20 tons), mines ton.231.00 - —
4K, c.l. (20 tons), mines ton.124.00 - —
4M, c.l. (20 tons), mines ton.124.00 - —
4T, c.l. (20 tons), mines ton.111.50 -141.00
4Z, c.l. (20 tons), mines ton.111.50 - —
5D, c.l. (20 tons), mines ton.88.00 - —
5K, c.l. (20 tons), mines ton.88.00 - —
5M, c.l. (20 tons), mines ton.84.00 - —
5R, c.l. (20 tons), mines ton.78.50 -79.00
6D, c.l. (30 tons), mines ton.58.00 -59.00
7D, c.l. 30 tons), mines ton.52.00 -52.50
7F, c.l. (30 tons), mines ton.49.00 -49.50
7H, c.l. (30 tons), mines ton.41.50 -42.00
7K, c.l. (30 tons), mines ton.35.00 -35.50
7M, c.l. (30 tons), mines ton.30.50 -31.00
7R, c.l. (30 tons), mines ton.29.50 -30.00
7T, c.l. (30 tons), mines ton.23.00 -23.50
7RF, c.l. (30 tons), mines ton.30.50 -31.00
7TF, c.l. (30 tons), mines ton.30.50 -31.00
8S, c.l. (30 tons), mines ton.19.00 -27.00
Prices quoted above are in U. S. funds. Add $4 per ton for l.c.l. lots.
Asphaltum, cut-back, tanks, tank wagon, refinery gal. .09 - —
Emulsion, tanks, tank wagon, refinery gal. .09¼ - .10
Gilsonite, brilliant black, selects, 270°-295° F, fusing point, bgs., f.o.b. Colo. mines ton.34.00 - —
seconds, 300°-390° F fusing point, not uniform, bgs., Colo mines ton.31.00 - —
1st, bgs., ton lots, gross weight, Colo mines ton.36.50 - —
Manjak, No. 10, crude, dms., works lb. .06½ - —
process form, bgs, works lb. .05¾ - .13
Steam-rfd., less than 80 penetration, tanks, tankwagon, refinery ton.22.00 - —
80-300 penetration, tanks, tankwagon, refinery ton.21.00 - —
Atropine, USP, bots oz.10.50 -11.50
Sulphate, USP, bots oz. 6.25 - 7.00

B

Bacitracin, wholesalers, unlabeled, topical, 2,000 units vial. .42 - —
10,000 units vial. .80 - —
50,000 units vial. 2.38 - —
Balm of Gilead buds, dried, bgs lb. 1.35 - 1.45
Barbasco root (see Cube root).
Barberry, root bark, bgs lb. .45 - .50
tree bark, bgs lb. .40 - .45
Barbital, USP, dms lb 4.50 - —
Sodium, USP, dms lb. 4.77 - —
Barium carbonate, precip., bgs., 10 tons and up, works ton.80.00 -85.00
smaller lots, works ton.90.00 -95.00
Chlorate, kgs., works lb. .25½ - .31
Chloride, NF, cryst., dms lb. .17 - .18
tech., crystals, bgs., c.l., works. ton.100.00 - —
l.c.l., works ton.110.00 - —
Chromate, bgs., frt. equald lb. .31½ - .32
Dioxide, dms., works lb. .12 - —
Hydrate, crystals, bgs. lb. .09 - .09½
Hydroxide, anhyd., bbls., works lb. .19 - —
Iodide, bots. lb. 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works lb. .11½ - —
l.c.l. works lb. .13 - —
Oxide, grd., dms., c.l., works lb. .11 - —
l.c.l., works lb. .11½ - —
Peroxide (see Dioxide).
Stearate, ctns., c.l. lb. .34 - —
smaller lots lb .35 - .36
Sulphate, tech. (see Barytes and Blanc fixe)
X-ray, bbls. lb. .13 - .13½
Sulphide, dms., c.l., works ton.55.00 - —
l.c.l., works ton.70.00 - —
Barium-potassium chromate, dms., c.l., frt. alld lb. .20 - —
l.c.l. works lb .21 - —
tech., bgs., c.l., works, frt. equald. ton.90.00 - —
l.c.l., works. ton.100.00 - —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines ton. 9.40 -12.50
Barytes, water-grd., paper bgs., c.l. St. Louis ton.35.05 - —
l.c.l., same basis ton.36.85 - —
ex whse., N. Y. ton.49.65 - —
Southern off-color, bgs., mines ton.19.00 - —
95.75%, bgs., mines ton.20.00 - —
Bay leaves (see Laurel leaves).
Belladonna leaf, bls. lb. .43 - .46
Root, bls. lb. .40 - .41
Bauxite, bulk, mines ton. 8.50 -10.00
Bentonite, 200 mesh, bgs., works ton.12.00 - —
Benzaldehyde, NF, dms lb. .68 - —
tech., cbys., dms lb. .45 - —
Benzal chloride, cbys., works lb. .19 - .25
Benzene (see Benzol).
Hexachloride, 99% gamma isomer (see Lindane).
12% gamma, tech., bgs., dms., c.l., works lb. .18 - .21
l.c.l., works lb. .20¼ - .23¼

Ammonium Thioglycollate—Bismuth Subsalicylate

Benzene hexachloride, 6% gamma, 50% dust, dry, distributors, dms., c.l., dlvd lb. .12 - —
l.c.l., dlvd lb. .13 - —
wet, distributors, dms., c.l., dlvd lb. .15 - —
l.c.l., dlvd lb. .16 - —
Benzidine base, bbls lb. 1.02 - —
Benzocaine, dms lb. 3.25 - 3.35
Benzol (benzene), pure, nitration, tanks, works, Lackawanna, N. Y., Sparrows Point, Md. gal. .27 - —
Bethlehem, Pa gal. .26 - —
Birmingham, Ala.; Chicago Dist.; Cleveland Dist.; Lone Star, Tex.; Geneva, Utah; Johnstown, Pa.; Lorain, Ohio; Minequa, Colo.; Philadelphia, Pa.; Pittsburgh Dist.; St. Louis, Mo.; Syracuse, N. Y.; Terre Haute, Ind.; Woodward, Ala.; Wyandotte, Mich.; Youngstown, Ohio gal. .25 - —
Benzophenone, dms lb. 1.30 - 1.60
Benzotrichloride, cbys., frt. equald. lb. .18 - .20
Benzoyl chloride, cbys., dms., c.l., works, frt. eq lb. .20½ - .21
l.c.l., same basis lb. .21½ - .22
Peroxide, pure, fib. ctns., works, lb. .90 - 1.05
Benzyl acetate, f.f.c., cns., dms lb. .60 - .70
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms lb. .80 - —
Chloride, tech., cbys., c.l., works, frt. equald lb. .19 - .19½
l.c.l., same basis lb. .20 - .20½
high grade, 2c. higher.
Cinnamate, cns lb. 3.00 - 4.00
Benzyl formate, cns lb. 1.60 - 2.10
Propionate, bots lb. 1.35 - 1.65
Salicylate, bots lb. 1.65 - 1.85
Benzylidinacetone, bots lb. 1.70 - 2.45
Benzylisoeugenol, bots lb. 8.90 - 9.50
Berberine, bisulphate, cns lb.35.00 -36.25
Hydrochloride, bots lb.35.00 -36.25
Sulphate, cns lb.35.00 -36.25
Berberis root, bls lb. .35 - .40
Betagammapicoline, dms., c.l., works. lb. .21 - .21¼
l.c.l., works lb. .21½ - .22
Betamethylnaphthalene, 32°C. m.p., dms., works lb. .90 - —
Betanaphthol, resublimed, dms., works. lb. .75 - —
tech., bbls., c.l., works lb. .28½ - —
l.c.l., works lb. .30½ - —
Benzoate, fib. dms., works lb. 1.70 - —
Salicylate, dms. lb. 5.00 - —
Betanaphthylamine, tech., bbls., works lb. .90 - —
Betaphenylethylamine, dms., works, 1,000-lb. lots lb. 1.25 - —
smaller lots lb. 1.60 - —
Betapicolin, 98%, dms., works lb. .95 - —
Beth root, bls. lb .45 - .50
Biotin, cryst. gram.10.00 - —
Bismuth chloride, jars lb. 3.97 - —
Citrate, USP VIII, jars lb. 3.29 - —
Hydroxide, dms lb. 4.20 - —
Metal, bxs., ton lots lb. 2.00 - —
Nitrate, cryst., dms lb. 1.87 - —
Oxychloride, dms. lb. 3.97 - —
Oxide, anhydrous, dms lb. 4.02 - —
Phenolsulphonate, fib. dms lb. 4.70 - —
Subcarbonate, USP, dms lb. 2.80 - —
Subgallate, NF, fib. dms lb. 2.75 - —
Subiodide, fib. dms lb. 4.92 - —
Subnitrate, NF, dms lb. 2.50 - —
Subsalicylate, USP, dms lb. 3.20 - —

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CALCIUM HYPOCHLORITE
CARBON DIOXIDE (SOLID)
CARBON TETRACHLORIDE
CARBOXYMETHYLCELLULOSE
CAUSTIC POTASH
CAUSTIC SODA
CHLORIDE OF LIME
CHLORINE
COPPER SULPHATE
EPSOM SALTS
ETHYLENE DICHLORIDE
FORMALDEHYDE
GLYCERINE
HYDROGEN PEROXIDE
IRON CHROMITE
MURIATE OF POTASH
NAPHTHALENE
ORTHODICHLOROBENZENE
PARADICHLOROBENZENE
PERCHLORETHYLENE
POTASSIUM BICHROMATE
POTASSIUM PERMANGANATE
PROPYLENE GLYCOL
SOAPS
SODA ASH
SODIUM BICARBONATE
SODIUM BISULPHATE
SODIUM BISULPHITE
SODIUM BICHROMATE
SODIUM CHROMATE
SODIUM HYDROSULFITE
SODIUM HYPOSULFITE
SODIUM METASILICATE
SODIUM NITRATE
SODIUM ORTHOSILICATE
SODIUM PERBORATE
SODIUM PHOSPHATES, All types
SODIUM SILICATE
SODIUM SULPHIDE
SODIUM SULPHATE
SODIUM SULPHITE
SODIUM SESQUICARBONATE
STEARATES
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ALSO A COMPLETE LINE OF LAUNDRY & DRY CLEANING SUPPLIES

Bismuth-Ammonium Citrate—Butyric Ether

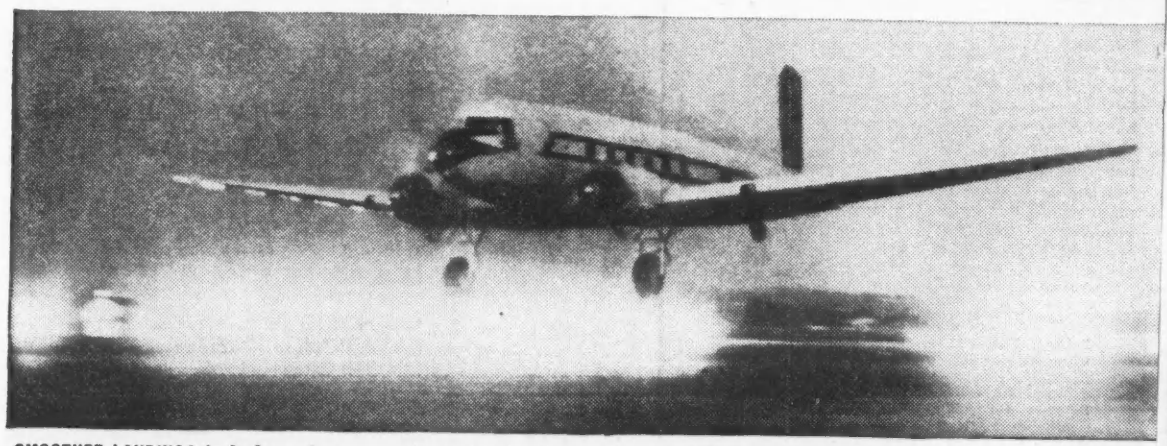
Bismuth-ammonium citrate, USP, powd., dms. lb. 3.82 • —
Black, acetylene, bgs., c.l., works lb. .13¼- —
cs., l.c.l., shipt. point lb. .17 .19
Bone, bgs., bbls., l.c.l., divd. lb. .14¾- .22¾
Carload price ½c. per lb. less. Deliveries to the Pacific Coast, ex dock or whse., 1½c. per lb. higher.
Carbon, channel, beads, bulk, c.l., works lb. .0650- —
bgs., c.l., works lb 0690- —
l.c.l., divd. or whse lb. .117 .1175
uncompressed, regular, bgs., c.l., works lb. .0832- —
bgs., ctns., l.c.l., divd or whse lb. 13¾- —
furnace, fast extruding, bgs., c.l., works lb. .05½- —
ctns., l.c.l., whse lb 09½- —
high modulus, bgs., c.l., works. lb. .05 • —
ctns., l.c.l., whse lb. 09 • —
semi-reinforcing bgs., c.l., works lb. 03½- —
ctns., l.c.l., whse lb 07½- —
very fine, bgs., c.l., works lb 0740- —
l.c.l., divd., or whse lb. .12 • —
Charcoal (see C).
Graphite (see G).
Iron oxide, synthetic, bgs., c.l., works lb. .11 • —
l.c.l., works lb. .11¼ • —
Lamp, bgs., c.l., works lb. .07 .30
Mineral, bgs., works lb. 0160- 0670
Black ash (see Barium sulphide).
Blackberry bark of root, bls. lb. .30 • .32
root, bls lb. .10 • .12
Black dyes (see Dyes).
Black haw, root bark, bls. lb. .65 • .75
Tree bark, bls lb. .28 • .30
Black Indian hemp root, bls. lb 45 • .50
Blanc fixe, dry, by-product, bgs., c.l., works ton.85.00 • —
l.c.l., works ton.95.00 • —
direct process, bgs., c.l., works ton.75.00 • —
l.c.l., works ton.90.00 • —
N. Y. whse ton.113.00 • —
bbls., c.l., works ton.90.00 • —
l.c.l., works ton.95.00 • —
N. Y. whse ton. 118.00 • —
pulp, 66⅔% bbls., c.l., works, ton.69.00 • —
l.c.l., same basis ton.75.00 • —
Bleaching powder, dms., c.l., works, 100 lbs. 4.50 • —
l.c.l., works 100 lbs 5.00 • —
Blood, dried, 16-16½% ammo., bgs. unit-ton. 6.75 • —
high-grade, unground, 16-17% ammon., bulk, Chicago unit-ton. 7.00 • —
soluble, bgs., cs. lb. .15 • .16
l.c.l. lb. .16 • .18
Bloodroot, bls lb. .40 • .45
Blue, alkali, dry, bbls., divd. N. of Tenn. and N.C., E of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 1.90 • —
Toner, bbls., litho flushed, same basis lb. 1.05 • —
Celestial, bbls., same basis lb. 15 .16
Chinese, bbls., same basis lb .37 • .42
Cobalt, genuine, bbls., same basis lb. 4.90 • —
lb 4.90 —
Imitation (see Blue, ultramarine).
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.75 3.85
80%, bbls., same basis lb. 3.00 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda)
Methyl violet toner, bbls., same basis lb. 4.20 • —
Milori, bbls., same basis lb. .37 • .42
Peacock, fugitive, 100% color strength, same basis lb .60 • .79
Permanent toner, green shade, molybdic, bbls., same basis lb. 3.75 • —
tungstic lb 4.00 • —
Potash, C.P. bbls., same basis lb .51 —
Prussian, bbls., same basis lb. .37 • .42
soluble, bbls., same basis lb. .37 • .42
Soda, C.P., bronze, bbls., same basis lb 39 —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .25 • .26½
jobbing type, dry bbls., same basis lb. .14 • —
regular types, dry or pulp, bbls., same basis lb .19 • .29
Victoria toner, molybdic, bbls lb 3.75 —
Tungstic, bbls lb 3.75 —
Violet toner, molybdic, bbls., same basis lb 1.24 • —
Tungstic, kgs., same basis lb 2.60 2.70
Blue dry colors, divd. prices ½c higher Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blueflag, root, bls. lb. 45. .50
Bluestone (see Copper sulphate)
Blue vitriol (see Copper sulphate).
Boldo leaves, bls lb. 09 .12
Bone, raw, bulk, Chicago ton.75.00 • —
junk, bulk, same basis ton.50.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works ton.62.50 • —
Chicago, works ton 62.50 • —
steamed, feeding grade, 1% ammon., 60% phos., E. works ton.58.00 • —
Chicago, works ton.58.00 • —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works. ton.62.50 • —
Chicago, works ton.62.50 • —
Phosphate, defluorinated (see D).
precipitated (see Calcium phosphate tribasic precip).
Boneset leaves, bls lb. .15 • .16
Borage flowers bls lb. 40 • 45
Borax, tech, anhydrous, bgs., c.l., works ton.70.50 • —
ton lots, ex whse N. Y. or Chi ton.115.25 • —
less ton lots, same basis, ton.120.25 • —
bbls., c.l., works ton.90.50 • —
ton lots, ex whse. N. Y. or Chi ton.135.25 • —
less ton lots, same basis, ton.140.25 • —
bulk, c.l., works ton.64.00 • —
crystals, 99½%, bgs., c.l., works, ton.61.25 • —
ton lots, ex whse, N. Y. or Chi ton.100.50 • —
less ton lots, same basis, ton.111.00 • —
bbls., c.l., works ton.81.25 • —
ton lots, ex whse, N. Y. or Chi ton.126.00 • —
less ton lots, same basis, ton.131.00 • —
bulk, c.l., works ton.57.25 • —
Borax, tech., granular, 99½%, bgs., c.l., works ton.35.25 • —
ton lots, ex whse, N. Y. or Chi ton.80.00 • —
less ton lots, same basis, ton.85.00 • —
bbls., c.l., works ton.55.25 • —
ton lots, ex whse N. Y. or Chi ton.100.00 • —
less ton lots, same basis, ton.105.00 • —
bulk, c.l. works ton.31.25 • —
powder, bgs., c.l., works ton.40.25 • —
ton lots, ex whse N. Y. or Chi ton.85.00 • —
less ton lots, same basis, ton.90.00 • —
bbls., c.l., works ton.60.25 • —
ton lots, ex whse N. Y. or Chi ton.105.00 • —
less ton lots, same basis, ton.110.00 • —
bulk, c.l., works ton.36.25 • —
Borax packed in kgs. is $40 per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech.
Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point lb. .15 • .21
l.c.l., same basis lb. .16 • .23
Borneol, ens. lb. 2.25 • 2.50
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purified cs. c.l., frt. alld. E. of Rockies lb. .21 • —
1,000 lbs., same basis lb. .23 • —
single pkgs., same basis lb. .28 • —
dms., lead-lined, divd. lb. .21 • —
Bromoform, pharmaceutical grade, bots. lb. 1.52 • 2.50
cbys. lb. 1.42 • —
Bromstyrol, bots lb. 5.35 • 5.75
Bronze powder aluminum (see A).
Gold, litho., ens., dms., works. lb. .50 • .60
moulding, ens., dms., works. lb. .80 • 1.00
printing ink, ens., dms., works lb. .95 • 1.10
radiator, cans, dms., works lb. .60 • .65
Broomtop, bls. lb. .25 • .26
Brown, iron oxide, synth., bgs., l.c.l., works lb. .12¼- —
Oxide, metallic, bgs., works lb. .3015- .3040
Sap, crystals, works lb. .12 • —
powdered lb. .13 • —
Sienna, burnt, paper bgs., c.l., works lb. .04¼- .15¼
l.c.l., works lb. .04½- .15½
raw, paper bgs., c.l., works lb. .04½- .13
l.c.l., works lb. .04¾- .13¼
Umber, burnt, American, c.l., bbls., works lb. .05¼- .06½
l.c.l., bgs., works lb. .05½- .07½
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N.Y. lb. .06¼- .08¼
l.c.l., works lb. .06½- .08½
raw, American, bgs., same basis. lb. .04¼- .06½
Turkey type, bgs., same basis. lb. .06½- .06¾
Vandyke, bbls., works lb. .11 • —
Brucine, ens., 100 ozs. oz. .35 • —
Sulphate, NF, ens., 100 ozs. oz. .30 • —
Bryonia root, bls lb. .29 • .35
Buchu leaves, bls lb. .45 • .50
Buckthorn bark, bls lb. .12 • .14
cut and sifted, bls lb. .18 • .20
Berries, bgs lb. .80 • .90
Burdock, root, bls lb. .20 • .26
Butadiene, cyls., refinery lb. .19 • —
tanks, same basis lb. .10½- —
Butane, indust., tanks, group 3 gal. .03 • —
Butternut bark, bls lb. .22 • .25
Butyl acetate, fermentation, normal, dms., c.l., same basis lb. .13¾- —
l.c.l., same basis lb. .14¾- —
tanks, same basis lb. .12 • —
synthetic, normal, dms., c.l., same basis lb. .13¾- —
l.c.l., same basis lb. .14¾- —
tanks, same basis lb. .12 • —
secondary, dms., c.l., same basis lb. .11¼- —
l.c.l., same basis lb. .12 • —
tanks, same basis lb. .09½- —
Alcohol (see Alcohol butyl)
Aldehyde, dms., c.l., works lb. .17½- —
l.c.l., works lb. .18 • —
tanks, works lb. .16 • —
Ether (see Ether, butyl).
Lactate, dms., c.l., frt. alld. E. of Rockies lb. .42½- —
l.c.l., same basis lb. .43½- —
tanks, same basis lb. .41 • —
Laurate, dms., works lb. .42 • —
Methacrylate, normal, dms., less than truckload, works lb. .60 • —
Oleate, refd., dms., l.c.l., works lb. .52 • —
Phenylacetate, dms lb. 2.00 • 2.25
Phthalate (see Dibutyl phthalate).
Stearate, dms., c.l., frt. alld. E. of Rockies lb. .27 • —
l.c.l., same basis lb. .28¼- —
Butylamine, dms., c.l., frt. alld. lb. .51½- —
l.c.l., same basis lb. .52½- —
tanks, same basis lb. .49¾- —
Butyric ether (see Ethyl butyrate).

Life ...on the

CANASTA, South America's gift to card playing North Americans, has established itself as one of this country's most popular new games. But cards, of course, have always been the implements of a popular pastime. Far more than bits of pasteboard, their manufacture is a highly scientific process backed by continuing research in production technique. One approach to the latter suggests an investigation of Dicyandiamide, made by Cyanamid, in connection with adhesives—as a strengthener, viscosity stabilizer, rewettability improver, and for its non-hygroscopic characteristic. Further information on the uses of "Dicy" in adhesives is available on request.

SHOWER CURTAINS like the one shown by the young lady have to be soft, flexible and able to take a lot of wear before the consumer will buy them. Where low vapor pressure, low brittle point, good compatibility, and flexibility of vinyl film over an extreme temperature range are essential AERO* DOP Di-2-ethylhexyl Phthalate, made by Cyanamid, answers the problem of plasticizing vinyl resins—for use in a wide variety of products . . . from shower curtains to adhesives, drapery materials to extruded tubing.

AERO DOP is also an excellent plasticizer for nitrocellulose and synthetic rubber, where good tensile strength, low temperature flexibility and resistivity are desired. *Trade-mark



SMOOTHER LANDINGS in bad weather are made possible by the Sperry A-12 Gyropilot which will guide the plane right down to the runway. Essential insulating parts for that instrument are made from MELMAC® Plastic 592, produced by American Cyanamid Company. This versatile material has a wide range of uses in industrial and electrical product design and may provide the solution to your problem. Write now for more information.

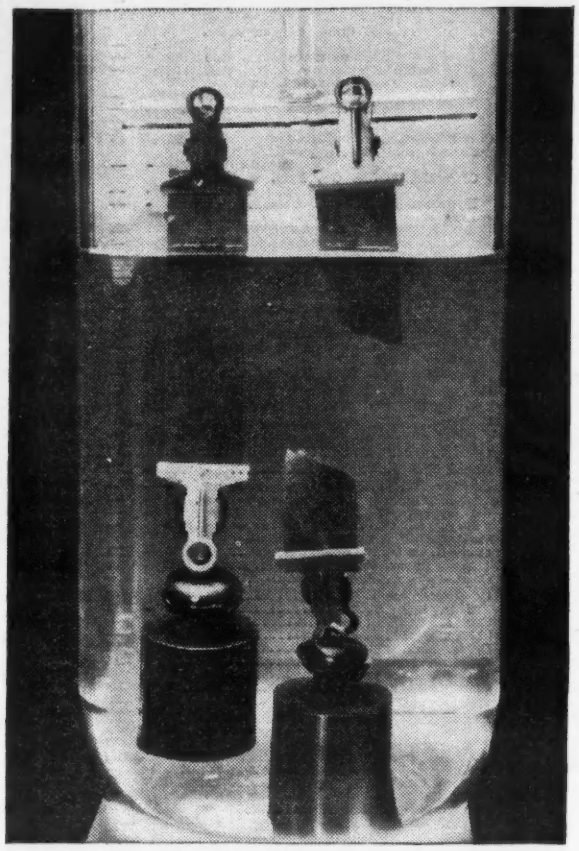
C

Cacao butter (see Cocoa butter).			
Cadmium iodide, jars	lb.	5.00	- 5.22
Metal, ingots or sticks, cs., dlvd	lb.	2.15	- —
Stearate, 50-lb. ctns., l.c.l., f.o.b. N.Y., frt. equald.	lb.	1.23	- —
Caffeine, natural, USP, cryst., dms., 100 lbs. or more	lb.	4.75	- —
anhydrous, dms., 100 lbs. or more	lb.	5.00	- —
Synthetic, USP, cryst., dms., 100 lbs. or more	lb.	3.80	- —
anhydrous, dms. 100 lbs. or more	lb.	4.00	- —
Citrated, USP, dms., 100 lbs. or more	lb.	2.60	- —
Hydrobromide, bots	lb.	6.70	Nom.
Calabar beans, bgs., futures	lb.	.65	- .66
Calamine, USP, dms	lb.	.27	- .29
Calamus root, dom., bgs	lb.	.27	- .30
unported, bleached, bls	lb.	.70	Nom.
peeled, bls	lb.	.30	- .31
Calciferol, cryst., vials, 250 grams or more, works	gram.	1.90	- —
25 to 249 grams, works	gram.	2.10	- —
1 to 24 grams, works	gram.	2.30	- —
in edible oil, dms., 10,000 or more standard units (1 standard unit equals 1,000,000 USP units), works unit.		.04¼-	—
1,000 to 10,000 standard units, works unit.		.05¼-	—
less than 1,000 standard units, works unit.		.05¾-	—
Calcium acetate, bgs., dlvd 100 lbs.		3.00	- 4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld. on 96 lbs. or over	lb.	.11	- —
l.c.l., same basis	lb.	.12	- .13
Calcium bromide, NF, jars	lb.	.75	- .85
Carbide, standard generator size, dms., c.l., dlvd	ton.	121.00	- —
Carbonate (see Chalk and Whiting).			
Chloride, cryst., purified, bbls., jars	lb.	.28	- .30
flake, 77-80%, paper bgs., c.l., works, frt. equald.	ton.	23.50	- —
l.c.l., same basis	ton.	52.00	-82.00
liquor, works, basis 40%, tank-cars	ton.	9.75	- —
pellets, bgs., c.l., works	ton.	31.00	- —
solid, 73-75%, dms., c.l., works, same basis	ton.	22.00	- —
l.c.l., works, same basis	ton.	32.00	-69.00
USP, gran., bbls	lb.	.30	- —
Chromate, bgs., frt. equald.	lb.	.29½-	.30
Cyanide, dms., dlvd. E. of Rockies	lb.	.30	- .50
Gluconate, AA, bbls., dms	lb.	.65	- .72
USP, bbls., dms	lb.	.58	- .65
Glycerophosphate, NF, 8lb., dms.	lb.	1.80	- 1.95
Hydride, dms., works	lb.	.90	- —
Hypochlorite, 100-lb. dms., dlvd. E. of Rockies	dm.	24.00	-28.50
cns., cased (45 lbs.) same basis.	cs.	19.75	-21.50
Hypophosphite, ton lots and less, dms.	lb.	.80	- .83
Iodide, jars	lo.	4.10	- 4.12
Lactate, USP, dms., 10,000 lbs. or more, works	lb.	.37	- —
smaller quantities, works	lb.	.38	- .44
Mandelate, USP, dms., works	lb.	2.10	- 2.25
Naphthenate, liq., 4% Ca, dms., frt. equald.	lb.	.23¾-	—
Nitrate, tech., works	lb.	.07	- .09
Pantothenate, dextro, jars, 100 grams or more, frt. adjusted	gram.	.07½-	—
Calcium phenolsulphonate, dms.	lb.	.64	- .65
Phosphate, dibasic, USP, bgs., c.l.	100 lbs.	6.75	- —
l.c.l.	100 lbs.	7.10	- 7.45
feed grade, bgs., 15 tons, wks.	ton.	105.00	- —
one ton or over, works	ton.	115.00	- —
less than one ton, works	ton.	125.00	- —
monobasic, bgs., 10,000 lbs., works, frt. equald.	lb.	.05¾-	—
smaller lots, same basis	lb.	.06¼-	—
tribasic, bgs., c.l., works 100 lbs.		6.50	- —
l.c.l., works	100 lbs.	6.95	- 7.30
Phytate, bgs., works	lb.	.28	- —
Resinate, precip., dms., frt. alld., works	lb.	.24	- —
Silicate, hydrated, bgs., c.l., works	lb.	.05½-	—
l.c.l., works	lb.	.06	- —
Stearate, precip., ctns., c.l., works.	lb.	.32	- —
l.c.l., works	lb.	.33	- .34
Sulphate (see Gypsum).			
Sulphide luminous, tins, works	lb.	1.25	- —
Calcium-strontium sulphide, phosphorescent, dms., works	lb.	1.06	- 1.50
fine particle size, dms., works	lb.	1.50	- 1.75
Calendula flowers, bls	lb.	.45	- .60
Calomel, USP, fine powd., dms.	lb.	1.97	- 1.98
reg. powd., dms	lb.	1.82	- —
Camphene, chlorinated, 67-69% (see Toxaphene).			
Camphor, monobromated, NF, dms., kgs	lb.	2.75	- 2.85
natural, powd., 100-lb. lots	lb.	.45	- .55
tablets, 1-oz., ½-oz., cs	lb.	.85	- .93

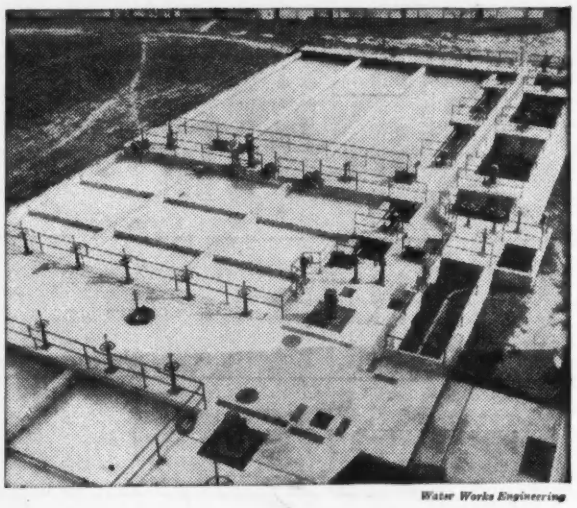
Cacao Butter—Cellulose Acetate

Camphor, synthetic, tech., bbls., 2,000 or more, whse.	lb.	.38	- —
10 bbls. (1,500 lbs.)	lb.	.40	- —
smaller lots	lb.	.41	- .51
USP, gran., powd., bbls., 2,000-lb. lots	lb.	.45	- —
1,000-lb. lots	lb.	.46	- —
smaller lots	lb.	.47	- —
tablets, tins, 2,000-lb. lots.	lb.	.73	- —
1,000-lb. lots	lb.	.74	- —
smaller lots	lb.	.75	- —
Canada balsam (see Fir balsam).			
Canella alba bark, bls	lb.	.25	- .30
Cantharides, Chinese, cs	lb.	.75	- .85
powd., bxs.	lb.	.90	- 1.05
Russian, bgs.	lb.	3.85	- 3.90
powd., bxs.	lb.	4.00	- 4.10
Capsicum (see Pepper, red).			
Oleoresin, NF, from domestic pepper	lb.	4.00	- 6.00
from African pepper	lb.	5.75	- 6.50
Caramel coloring, NF, bbls	gal.	1.05	- 1.20
Caraway, Dutch	lb.	.16	- .16½
Carbazole, 97% steel dms., ton lots, works	lb.	1.55	- —
bbls., same basis	lb.	1.65	- 1.85
Carbinol, butyl, secondary, dms., l.c.l., works	lb.	.70	- —
Methylisobutyl, dms., c.l., frt. alld. E.	lb.	.13¼-	—
l.c.l., same basis	lb.	.14	- —
tanks, same basis	lb.	.11½-	—
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points	lb.	.06¼-	—
l.c.l., same basis	lb.	.07¼-	—
5-gal. dms., c.l., same basis	lb.	.08½-	.08¾
l.c.l., same basis	lb.	.09½-	—
tankcars, same basis	lb.	.0440-	—
Dioxide, cyls	lb.	.06	- .08
Tetrachloride, c.p., dms., works	lb.	.10¾-	—
NF, cbys	lb.	.17	- .19
tech., dms., c.l., E. of Rockies, frt. alld.	lb.	.08	- —
W. of Rockies, f.o.b. stock points	lb.	.09	- —
l.c.l., E. of Rockies, frt. alld.	lb.	.091	- —
W. of Rockies, frt. alld.	lb.	.09¾-	—
tanks, E. of Rockies, frt. alld.	lb.	.07¼-	—
W. of Rockies, frt. alld	lb.	.08¼-	—
Carboxymethylcellulose-Sodium—See CMC			
Carbromal, NF, dms., 100-lb. lots, works	lb.	4.00	- 4.25
smaller lots, works	lb.	4.10	- 4.75
Cardamom fruit, bleached, bold, cs.	lb.	3.30	- 3.45
medium, cs	lb.	2.95	- 3.40
decorticated, Alleppey, cs	lb.	3.20	- 3.25
Ceylon, cs	lb.	3.40	Nom.
Guatemala, cs	lb.	3.40	- 3.45
green, Alleppey, bgs., afloat	lb.	2.20	- 2.25
Ceylon, bgs	lb.	2.20	- 2.25
seed (See Cardamom fruit, decorticated)			
Carmine No. 40, NF, quik, 100 lbs. or more, dlvd	lb.	5.50	- —
smaller lots, dlvd	lb.	5.65	- 6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta. 10 mg		5.00	- —
90% beta-10% alpha, ampuls 100 mg.		2.00	- —
gram quantities	gm.	5.00	- —
technical, 1,350,000 A units per gram	gm.	.67¼-	—
tins, works	gm.	.40	- —
dry powder, 3,330 A units per gram	lb.	.81	- —
emulsion (in milk), 600,000 A units per 16-oz. cn	cn.	1.00	- —
in vegetable oil, 166,666 A units, per gram	lb.	25.24	- —
50,000 A units per gram	lb.	7.86	- —
8,800 A units, per gram, tins, works	milli. units.	.18	- —
dms., works	milli. units.	.16	- —
3,330 A units per gram	lb.	.85	- —
microcrystalline, in oil, 400,000 A units per gram, tins, works	milli. units.	.24	- —
Carvol, bots.	lb.	8.75	- 9.00
Cascara sagrada bark, bulk	lb.	.30	- .32
Case-hardening mixture, 30% gran., dms., l.c.l., works	lb.	.10½-	—
Casein, dom., acid-precip., standard, bgs., 10,000 lbs or more, ship't point	lb.	.24½-	.25⅛
premium, bgs., 10,000 lbs or more, ship't point	lb.	.25½-	.27⅛
Imp. acid-precip., ground 100 bgs or more, ex dock	lb.	.24	- .26
rennet-precip., bgs., 10,000 lbs. or more, ex dock	lb.	.23	- .26
Cashew nut liq., treated, dms., c.l., f.o.b. Newark, N. J.	lb.	.21	—
ton lots, same basis	lb.	.22¼-	—
dm. lo's, same basis	lb.	.24¼-	—
Cassia, Batavia, long stick, bls	lb.	.26	- .27
broken	lb.	.16	- .17
shortstick, bls	lb.	.18	- .19
China, Canton, Kwangsi, rolls, select, cs	lb.	.13	- .14
broken, bls.	lb.	.12½-	.13
Honan, Yunnan rolls, scraped, bls	lb.	.17½-	.18
broken, bls.	lb.	.17	- .17⅛
unscraped, bls.	lb.	.16½-	.17
broken, bls.	lb.	.16	- .16⅛
Saigon, broken, bls	lb.	.29	- .32
medium, bls.	lb.	.38	- .40
thin, bls.	lb.	.45	- .46
Cassia fistula, bskts	lb.	.30	.35
Castor beans, bgs., Brazilian ports	long ton.	115.00	Nom.
Oil (see Oil, castor).			
Pomace, bgs., c.l., works	ton.	30.50	- —
Castoreum, natural, cns	lb.	7.00	-30.00
artificial, cns.	lb.	9.00	- 9.25
Catechol, CP, cryst, fib, dms., works	lb.	2.00	- —
resublimed, dms., works	lb	4.00	- —
Catnip, bls.	lb.	.60	- .65
Celery seed, French, bgs	lb.	.36	- .37
Indians, bgs.	lb.	.26	- .27
futures, bgs.	lb.	.26	- .27
Celluloid scrap (see Pyroxylin scrap).			
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs or more	lb.	.36	- .38
molding, composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld	lb.	.40	- —
l.c.l., same basis	lb.	.45	- .51
regular, black, dms., l.c.l., same basis	lb.	.31	- .39
variegations, dms., l.c.l., same basis	lb.	.50	- .59
molding and extrusion transparents, dms., c.l., same basis	lb.	.47	- —
l.c.l., same basis	lb.	.49	.54
extrusion compounds, translucent metallic pearls, special black, dms., c.l., same basis	lb.	.42	—
l.c.l., same basis	lb.	.44	- .49

Chemical Newsfront



THE WET STRENGTH TEST shown in the photo was made at Cyanamid's Stamford Research Laboratories. Two weights were suspended from paper tape and immersed in water. The weight on the left, suspended from paper tape treated with PAREZ® Resin 607, had not torn from its tape—after more than two years of suspension in water. The one on the right, suspended from untreated paper, broke its tape shortly after immersion. If you are interested in a paper with high wet-strength suitable for packing items varying from ice cubes to potatoes, and with characteristics making it ideal for purposes such as frozen food wraps, investigate PAREZ Resin 607. The coupon is for your convenience.



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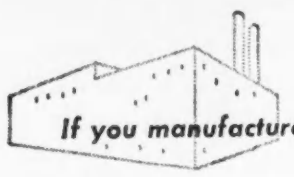
Cellulose acetate-butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works lb. .52 - —
less than 500 lbs., works lb .53 - —
17.5% butyryl content, ctns., 500 lbs. or over, works lb. .48 - —
less than 500 lbs., works, lb. .49 - —
26.5% butyryl content, ctns., 500 lbs. and over, works lb. .50 - —
less than 500 lbs., works lb. .51 - —
37% butyryl content, ctns., 500 lbs. and over, works lb. .50 - .53
less than 500 lbs., works lb. .51 - .54
45% butyryl content, ctns., 500 lbs. and over, works lb. .53 - —
less than 500 lbs., works lb. .54 - —
molding composition, plain colors, pearls, transparents, special black, dms., l.c.l., frt. alld. lb. .56 - .61
regular black, dms., l.c.l., same basis lb. .44 - .48
variegations, dms., c.l., same basis lb. .61 - .66
Triacetate, flake, ctns., warns, frt. allwd. on 100 lbs. or more lb. .40 - —
Cerium hydrate, dms., works lb. 1.25 - —
Oxalate, NF, bbls., bgs., works lb .70 - .72
Oxide, optical grade, bgs., under 100 lbs., works lb 2.25 - —
kgs., 100-lb lots, works lb. 1.85 - —
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works lb .02¾- .05½
l.c.l., ex whse lb. .04 - —
paint, bgs., c.l., works ton.40.00 - —
papermakers, bgs., c.l., works ton.32.50 -40.00
rubber makers, bgs., c.l., works ton.30.00 - —

Chamomile flowers, Hungarian, cs lb. .45 - .55
Roman, bls lb. .85 - .90
Charcoal, activated, USP, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works lb. .26½- .32½
smaller lots, works lb. .27 - .50
Bone, NF, bbls lb. .23 - —
Hardwood, briquets, bgs., c.l., works ton.51.80 - —
bulk, c.l., works ton.49.80 - —
granular, bgs., incl., c.l., works ton 46.80 -59.00
lump, bgs., extra, returnable, c.l., works ton.41.80 -45.50
bulk, c.l., works ton.38.80 -43.50
Pinewood, gran., powd., ngs., c.l., works, South ton.30.00 -40.00
l.c.l., works ton.40.00 -50.00
lump bgs., c.l., works, South ton.40.00 - —
l.c.l., works, South ton.40.00 -50.00
bulk, c.l., works, South ton.30.00 - —
Chestnut extract, 25% tannin, bbls., c.l., works lb. .0415- —
l.c.l., works lb. .0440- .0450
tanks, works lb. .0345- —
powd., 60% tannin, bgs., extra, c.l., works lb. .09 - —
l.c.l., works lb. .0970- .1055
China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l. works ton.12.50 -13.00
l.c.l., works ton.13.50- 14.00
bulk, c.l., works ton. 9.50 -10.00
300 mesh, bgs., c.l., works ton.10.00 -12.00
l.c.l., works ton.11.00 -16.00
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works ton.13.00 - —
paper bgs., c.l., works, ton.16.00 - —

China clay, imported, white, lump, bulk, c.l., ex dock, Phila., Portland, Me. gross ton.19.00 -40.00
powd., ngs., c.l., ex dock, net ton.35.00 -45.00
l.c.l., ex whse net ton.45.00 -60.00
Chloral, tech., 94% min., dms., c.l., works lb. .23 - —
l.c.l., works lb. .24 - —
tanks, works lb. .21 - —
Hydrate, USP, jars lb. 1.05 - 1.10
Chloramine T, NF bbls., works lb. .75 - 1.00
Chloroanisidin, dms., frt. equald lb. 1.25 - —
Chlordane, agricultural, dms., pails, c.l., works lb. .65 - —
l.c.l., works lb. .70 - .75
refined, dms., c.l., works lb. .75 - —
l.c.l., works lb. .80 - .85
Chlorinated paraffin, dms., works lb. .12¼- .13½
Rubber, standard, ctn., c.l., works lb. .42 - —
l.c.l., works lb. .43 - —
Chlorine, liquid, cyls., c.l., NY. lb. .08¾- —
l.c.l., NY, stock points lb. .10¼- —
tanks, single units, works, frt. equald. 100 lbs. 2.55 - —
multiple units, 3 cars, works, frt. equald. 100 lbs. 3.05 - —
2 cars, same basis 100 lbs. 3.65 - —
1 car, same basis 100 lbs. 4.25 - —
Chloroform, tech., dms., c.l., dlvd, E lb. .20 - —
l.c.l., same basis lb. .22 - —
tanks, same basis lb. .16 - —
USP, dms. lb. .30 - .33
Chloro(4)-2-Toluidine, bbls. lb. 1.38 - —
Chlorophyll, oil soluble, water soluble, cosmetic and pharmaceutical, bots lb. 3.75 - 4.25

Chloropicrin, com'l, bots lb. 1.40 - —
cyls., 180-lbs., frt. alld lb. .91 - —
100-lbs., same basis lb. .93 - —
25-lbs., same basis lb. 1.18 - —
Cholesterol, USP, fib. dms., 100-lb. lots. lb. 8.50 - —
5-lb. pkg. lb. 9.00 - —
1-lb. pkg. lb. 9.50 - —
Choline bitartrate, fib. dms., frt. adjusted lb. 2.30 - 2.35
Chloride, fib. dms., same basis lb. 2.30 - 2.35
Dihydrogen citrate, fib. dms., same basis lb. 2.30 - 2.35
Chromium acetate, powd., 72% Cr., bbls., works lb. No stocks
solut., 7½%, bbls., works lb. .08 - —
cbys. lb. .09¾- —
8½%, bbls., works lb. .08½- —
cbys. lb. .10¼- —
Fluoride, bbls., works lb. .44½- —
Green (see Green, chromium).
Oxide (see Green, chromium oxide).
Oleate, solid, bbls lb. .49 - —
Trioxide, USP, bots lb. .82 - —
Yellow (see Yellow, chrome).
Chrysarobin, USP, bots lb. 7.65 - 9.20
Cinchona bark, NF, red, quill, 20-inch, cs. lb. 1.26 Nom.
broken, bgs lb. .40 - .45
yellow, broken, bgs lb. .32 - .38
Cinchonidine, cryst., cns., 100 ozs. oz. .71 - .72
Sulphate, cns., 100 ozs oz. .37 - .40¼
Cinchonine, cryst., cns., 100 ozs. oz. .57 - .65
Sulphate, NF, cns., 100 ozs oz. .39½- .42
Cinchophen, NF, heavy density, dms., frt. adjusted lb. 3.70 - 4.05
Standard density, dms., same basis lb. 3.50 - 3.85
Cinchophen-sodium, dms., frt. adjusted lb. 4.50 - 4.85
Cinnamic alcohol (see Alcohol, cinnamic)
Aldehyde, cbys., cns., dms lb. .90 - 1.20
Cinnamon, Ceylon, No. 2, bls lb. .18 - .18½
Citral, bots, cns. lb. 5.00 - 5.55
Citronellal, bots., dms lb. 2.50 - 2.75
Citronellol, bots., dms lb. 2.85 - 3.15
Civet, bots. oz. 4.00 -13.00
artificial, bots lb.13.75 -15.00
Clove, Madagascar, bls. lb. .24 - .24½
futures, bls lb. No offers
Zanzibar, bls. lb. .24 - .24½
afloat lb. .23½- .24
Clover tops, red, dom., bgs lb. .65 - .70
imported, bgs. lb. No stocks
CMC, purified, high vis., ctns., 20,000 lbs. or over, works, frt. alld lb. .57 - —
smaller lots, same basis lb. .59 - .69
low and medium vis., ctns., 20,000 lbs. or over, works, frt. alld lb. .54 - —
smaller lots, same basis lb. .56 - .66
tech., low and medium vis., dms., c.l., works, frt. alld lb. .41 - —
l.c.l., works lb. .43 - —
Coaltar, coal-gas, water-gas, crude, resale, dms., c.l., ex-whse, gal. .23½- —
l.c.l., ex-whse gal. .25 - —
tanks, ex-whse gal. .13½- —
refd., resale, bbls., c.l., ex-whse, gal. .24½- —
l.c.l., ex-whse gal. .26 - —
tanks, ex-whse gal. .14½- —
Cobalt acetate, bbls., dlvd lb. .93½- —
Carbonate, 46% powd., bgs., works lb. 1.65 - —
Chloride, 24.5% Co, kgs., works lb. .91¼- —
Hydrate, 60.3% Co, bbls lb. 2.13 - —
Linoleate, paste, 6% Co, dms. lb. .57 - —
solid, 8½%, Co, dms lb. .66½- —
8% Co, dms lb. .62½- —
Metal, 97-99%, kgs., ex-whse lb. 1.80 - —
under 100 lbs., ex-whse lb. 1.82 - 1.87
Naphthenate, liq., 6% Co, dms. lb. .37¼- —
Nitrate, 20.4% Co, bbls lb. .78¾- —
Oxide, black, kgs lb. 1.38 - —
Phosphate, feed grade, 34% Co, kgs. lb. 1.31¼- —
Resinate, fused, 8% Co, dms lb. .22¾- —
Sulphate, bgs, 21% Co, kgs lb. 1.05 - —
Cocaine, USP, cns., 100-oz oz.15.00 - —
Hydrochloride, cns., 100-oz. lots oz.11.75 - —
Cochineal, gray, bgs lb. .67 - .68
silver, Teneriffe, bgs lb. .69 - .70
Cocillana bark, bgs lb. .16 - .17
Cocoa butter, bgs lb. .68 - .73
Codeine, NF, cns., 100 ozs oz.13.25 - —
Hydrochloride, cns., 100 ozs oz.11.85 - —
Phosphate, USP, cns., 100 ozs. oz.10.25 - —
Sulphate, USP, cns., 100 ozs oz.10.75 - —
Codliver oil (see Oil, codliver).
Cohosh, black root, bls lb. .20 - .25
Blue, root, bls lb. .15 - .17
Colchicine, USP, bots., cns oz.79.00 -85.00
Colchicum root, bls lb. .60 - .70
Seed, bgs. lb. 1.10 - 1.20
Collodion, USP, dms lb. .21 - —
Flexible USP, dms lb. .22½- —
Colocynth, pulp, bls lb. .25 - .27
Colombo root, bls. lb. .13 - .15
Coltsfoot leaves, bgs lb. .30 - .35
Condurango bark, bgs lb. .20 - .22
Copaiba balsam, cns., dms lb. .64 - .82
Copper acetate, cupric, bbls., works, lb. .28 - —
smaller containers, works lb. .29 - .30
Carbonate, 55%, bgs., works lb.19.20 -20.20
Chloride, anhyd., bbls., works lb. .30½- —
crystals, bbls., works lb. .20¼- —
Citrate, USP, 5-lb. bots lb. 2.40 - —
Cyanide, tech., bbls lb. .494 - .514
Gluconate, dms., cns lb. 3.00 - 3.24
Hydrate, dms., frt. alld. E. Miss, lb. .27½- .28
Metal, electrolytic, dlvd lb. .22½- —
Naphthenate, liquid, 8% Cu, dms., frt. alld lb. .22¾- —
Nitrate, tech., cryst., bbls., works, lb. .25¼- —
Oleate, liquid, 8.5% Cu, bbls lb. .27 - —
solid, 10% Cu, bbls lb. .39 - —
Oxide, black, bbls., works lb. .29 - .35
red, com'l, bbls., works lb. .30 - .35
Oxychloride-sulphate, bgs., frt. alld lb. .24¼ Nom.
Quinolate, fib. dms lb. 3.50 - —
Resinate, precip., dms., frt. alld. lb. .24 - —
Stearate, bgs., works lb. .39½- —
Sulphate, cryst., 99%, bgs., c.l., works 100 lbs. 8.10 - —
l.c.l. 100 lbs. 8.35 - 9.10
CP, cryst., gran., dms., works, lb. .1365- —
monohydrated, 35%, dms., c.l., works 100 lbs.13.30 - —
tribasic, dealers, bgs., c.l., works, frt. alld lb. .226 - —
l.c.l., works lb. .236 - —
USP, gran., cryst., dms lb. .1385- .26
Undecylenate, dms lb. 2.50 - 2.75
Copperas, cryst., gran., bgs., c.l., works ton.17.00 - —
l.c.l., works 100 lbs. 1.55 - 2.00
bbls., c.l., works ton.20.00 - —
bulk, c.l., works ton.14.00 - —
Copra, c.i.f., Atlantic, Gulf ports ton.205.00 - —
Pacific ports ton.200.00 - —
Coriander seed, Argentine, bgs. lb. .07½- .08
Italian, bgs. lb. .07 Nom.
Moroccan, bgs lb. .10¾- .11¼

EASTMAN triethyl phosphate



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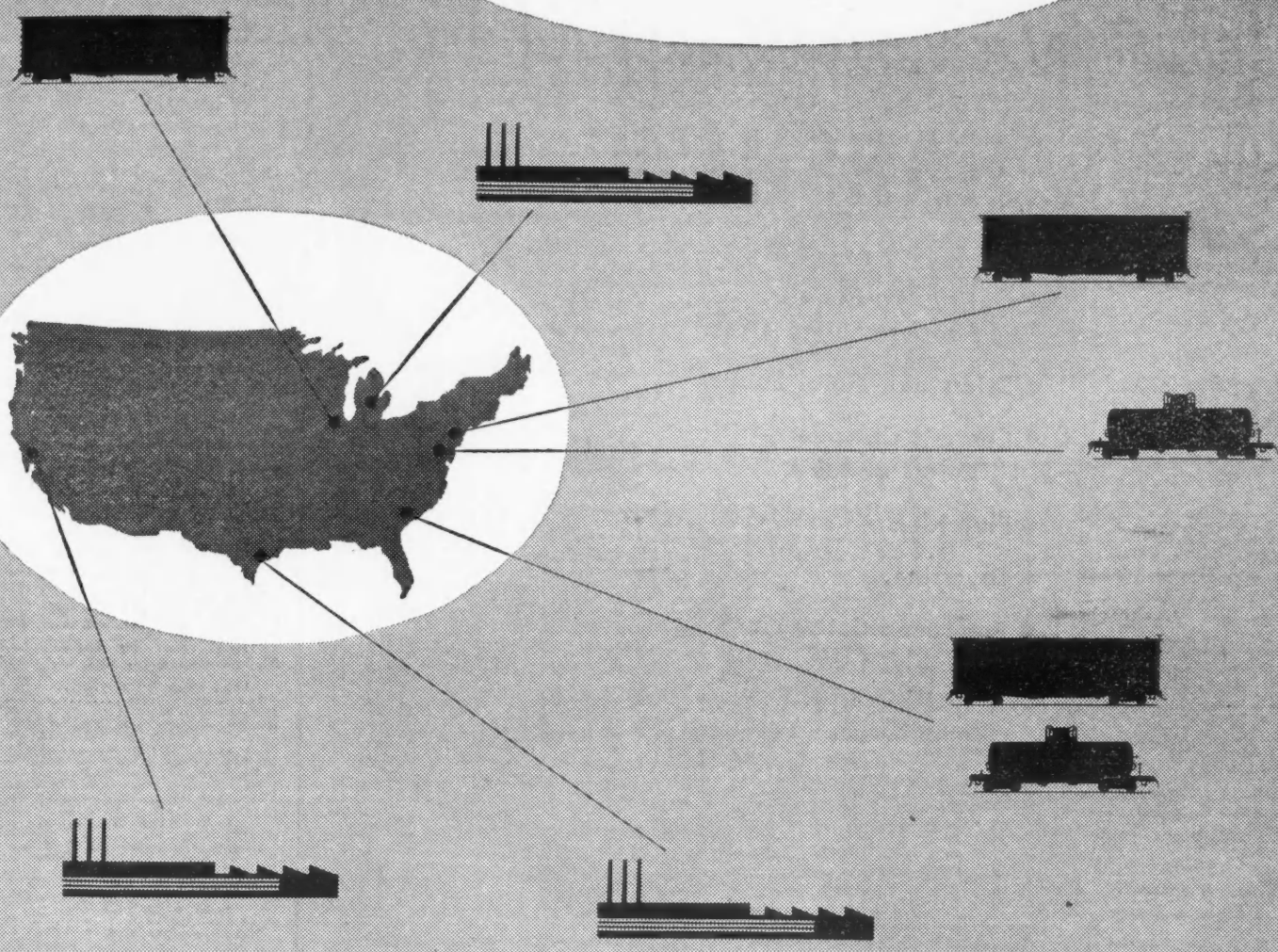

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Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 6.09 - —
bbls., c.l., same basis 100 lbs. 6.15 - —
Syrup, 42°, bbls., c.l. 100 lbs. 6.37 - —
l.c.l. 100 lbs. 6.52 - —
Cornsilk, bls lb. .15 - .19
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more lb. 1.68 - —
gran., powd., dms., 50 lbs. or more lb. 1.53 - —
Cottonroot bark, bls lb. .26 - .28
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton 1.75 - —
Meal, 41% protein, bulk, Memphis ton 70.00 - —
Coumarin, NF, cns., 25-lb. lots lb. 2.75 - —
smaller lots lb 2.80 2.90
powd., cans lb 3.60 3.05
Cramp bark, NF, bls lb. .80 Nom.
Cranesbill root, bls lb. .25 - .30
Cream of tartar, dom., NF, gran. or powd., bbls., 5,000 lbs. one ship lb. .26¼ - —
smaller lots, bbls., kgs lb. .26¾ - .27¾
Imported, kgs lb. .21 - .23
Creosote, coaltar, crude, tanks, works, frt. equald gal. .14 - 18
refined dms., c.l., works gal. .36½ - .40
l.c.l., same basis gal. .37½ - .47
tanks, same basis gal. .23½ - —
solution, 90% tanks, works gal. .168 - —
NF, beechwood, bots., cbys lb. 1.15 - 1.20
hardwood, bots, cbys lb .85 - —
Pinewood, dms gal. .31 - .35
Carbonate, NF, bots., cbys lb. 2.35 - 2.40
Cresols, tech., dry, above 207°C, non-ret. dms., c.l. frt. equald. lb. .128 - —
l.c.l., same basis lb. .131 - —
Cresols, tech., dry, above 207°C, ret. dms., c.l., same basis. lb. .125 - —
l.c.l., same basis lb. .128 - —
tanks, same basis lb. .115 - —
USP, non-ret. dms., c.l., same basis lb. .133 - —
l.c.l., same basis lb. .136 - —
ret. dms., c.l., same basis lb. .13 - —
l.c.l., same basis lb. .133 - —
tanks, same basis lb. .12 - —
Crotonaldehyde, 91-93%, dms., c.l. works lb. .16½ - —
l.c.l., works lb. .17 - .20
Cryolite, nat., dealers, bgs., c.l., works 100 lbs. 13.75 - —
bbls., l.c.l., works 100 lbs 14.00 - —
Cube root, powd., 5% rotenone, bgs., ton lots, works lb. .26 - .30
Cubeb berries, XX NF bgs lb. .35 - .45
powd., cs. lo. .44 - .54
Culvers root, bbls lb. .50 .60
Cumene, dms., c.l. lb. .08 - —
l.c.l. lb. .09 - —
tanks gal. .53 .56
Cumin seed, Irarian, bgs lb. .15¾ - .16
Morocco, bgs lb. .16½ - .17
Syrian, bgs lb. .15¾ - .16
Cutch, extract, 55% tannin, bgs., ex dock lb. .06¾ - —
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk ton 46.50 - —
pulv., 21% N., bgs., same basis unit-ton 2.25 - —
Cyclohexane, tech., dms., c.l., works. lb. .11 - —
l.c.l., works lb. .11¾ - —
tanks, works lb. .09¼ - —
Cyclohexanol, tech., dms., c.l., works. lb. .21½ - .25
l.c.l., works lb. .22 - .26
tanks, works lb. .20 - .24
Cyclohexanone, tech., dms., c.l. lb. .26½ - .30
l.c.l., works lb. .27 - .31
tanks, works lb. .25 - .29
Cyclohexylamine, dms., c.l., works. lb. .36½ - —
l.c.l., works lb. .37½ - —
tanks, works lb. .35½ - —
Cyclopropane, USP 2 lb. cyls, works. cyl. 40.00 - —
6 oz. cyls., works cyl. 10.50 - —
Hospitals, cyls., 40 gal. lots gal. .32 - —
100-gal. lots gal. .31 - —
200-gal. lots gal. .30 - —

D

2, 4-D, bbls., c.l. works, frt. equald. lb. .43 - .48
l.c.l., same basis lb. .48 - .60
Isopropyl ester, dms., c.l., works lb. .54 - —
l.c.l., works lb. .59 - .66
Damiana leaves, bls lb. .40 - .45
Dandelion root, bls. lb. .40 - .45
DDD, tech., fine grd., fib. dms., c.l., works lb. .51 - —
l.c.l., works lb. .51½ - —
lump, fib. dms., c.l., works lb. .49 - —
l.c.l., works lb. .49½ - —
DDT, fiber dms., c.l., works, frt. equald lb. .32 - .36
smaller lots, same basis lb. .33 - .37
Decanol, normal, tech., dms., c.l., dlvd lb. .34½ - —
l.c.l., dlvd. lb. .36½ - —
tanks, dlvd. lb. .32 - —
Deertongue leaves, bls lb. .30 - .35
Defluorinated phosphate, 82% b.p.l., paper bgs., works ton 44.15 - 55.75
Rock, 14½%P, paper bgs., works ton 45.00 - —
Degras, common, bbls lb. .11 - .12
Neutral, less 2% ffa., bbls lb. .21 - .22
over 2% ffa., bbls lb. .20 - .21
Derris root, 5% rotenone, powd lb. .42 - —
Desoxyephedrine hydrochloride, dextro, dms lb. 30.00 - —
dextro-laevo, dms lb. 7.50 - —
Dextrin, corn, British gum, paper bgs., c.l. 100 lbs. 7.50 - —
Chicago 100 lbs. 6.85 - —
l.c.l. 100 lbs. 7.65 - —
canary, paper bgs., c.l. 100 lbs. 7.34 - —
Chicago 100 lbs. 6.69 - —
l.c.l. 100 lbs. 7.49 - —
dark, paper bgs., c.l. 100 lbs. 7.44 - —
Chicago 100 lbs. 6.79 - —
l.c.l. 100 lbs. 7.59 - —
white, paper bgs., c.l. 100 lbs. 7.19 - —
Chicago 100 lbs. 6.54 - —
l.c.l. 100 lbs. 7.34 - —
Corn dextrin in cotton bgs. 12c. to 15c. per 100 lbs. higher.
Potato, bgs lb. .08½ - .09
Tapioca, pure, envelope, bgs lb. .15 - .16
Dextrose, USP dms lb. .17¾ - —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb 4.00 - 5.55
laboratory grade, bots 100 grams 4.50 - —
tech., bots., works lb 3.00 - —
Diamyl ether (see Ether, amyl).
Phthalate, dms., c.l., dlvd. E lb. .34 - .34¼
l.c.l., dlvd. E lb. .35 - .35¼
tanks, dlvd. E lb. .32½ - —
Dianisidin, dms lb. 1.75 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton 50.00 - 52.00
California ton 38.00 - 40.00
l.c.l., ex whse ton 80.00 - —
purified, bgs., c.l., Atl. coast ton 62.00 - —
California ton 50.00 - —
l.c.l., ex whse ton 90.00 - —
Imported, Algerian, bgs., c.l., Atlantic coast ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
l.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, dms., c.l., works. lb. .66½ - —
l.c.l., works lb. .67 - —
tanks, works lb. 65 - —
Dibutoxyethyl sebacate, dms., c.l., works lb. .55½ - —
l.c.l. works lb. .56 - —
tanks, works lb. .54 - —
Dibutyl phthalate, dms., c.l., dlvd lb. .29 - .29¼
l.c.l., dlvd lb. .30 - .30¼
tanks, dlvd. lb. .27½ - —
Sebacate, dms., c.l., works lb. .51 - —
l.c.l., works lb. .51½ - —
tanks, works lb. .49½ - —
Tartrate, dms., works, frt. alld lb. .62 - —
Dibutylamine, dms., c.l., frt. alld lb. .51½ - —
l.c.l., frt. alld lb. .52½ - —
tanks, frt. alld lb. .49¾ - —
Dicaprylphthalate, dms., c.l., dlvd. lb. .36½ - —
l.c.l., dlvd lb. .37½ - —
tanks, dlvd lb. .35 - —
Sebacate, dms., c.l., works lb. .54.2 - —
l.c.l., works lb. .55 - —
tanks, works lb. .53 - —
Dichloroaniline, dms., works lb. .75 - .80
Dichlorodiphenyldichloroethane (see DDD).
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichloropentanes, dms., c.l., works. lb. .047 - —
l.c.l., works lb. .055 - —
tanks, works lb. .04 - —
Dichlorophenol, dms., c.l., frt. equald lb. .27 - —
l.c.l., frt. equald lb. .28 - —
Dicyclohexylamine, dms., c.l., works lb. .40¼ - —
l.c.l., works lb. .41 - —
tanks, works lb. .39 - —
Dicyclohexylphthalate, lib. dms., c.l., works lb. .40½ - —
l.c.l., same basis lb. .41½ - —
Diethanolamine dms., c.l., works lb. .27½ - —
l.c.l., same basis lb. .27½ - —
tanks, same basis lb. .25 - —
Diethyl carbonate, dms., c.l., frt. alld lb. .36¾ - —
l.c.l., same basis lb. .37¾ - —
tanks, same basis lb. .35 - —
Maleate, dms., c.l., dlvd lb. .45 - —
l.c.l., dlvd lb. .49 - .52¼
tanks, dlvd lb. .43½ - —
Oxalate, dms., c.l., frt. alld lb. .34¾ - —
l.c.l., same basis lb. .35¾ - —
tanks, same basis lb. .33 - —
Phthalate, dms., c.l., dlvd lb. .22½ - .23½
l.c.l., dlvd lb. .24½ - .24¾
tanks, dlvd. lb. .22 - —
Sulphate, dms., c.l., works lb. .16 - —
l.c.l., works lb. .16½ - —
tanks, works lb. .14½ - —
Diethylamine, dms., c.l., frt. alld. E lb. .57 - —
l.c.l., same basis lb. .58 - —
tanks, same basis lb. .55¼ - —
Diethylanilin, dms lb. .48 - —
Diethyleneglycol, dms., c.l., frt. alld. E lb. .17¼ - —
l.c.l., same basis lb. .18½ - —
tanks, same basis lb. .16 - —
Buriborate, dms., l.c.l lb. .28 - —
Diethylether, dms., l.c.l., works lb. .44 - —
Monobutylether, dms., c.l., works. lb. .24½ - —
l.c.l., works lb. .25 - —
tanks, works lb. .23 - —
Monobutylether acetate, dms., c.l., works lb. .26 - —
l.c.l., works lb. .26½ - —
Monoethylether, dms., c.l., works. lb. .18 - —
l.c.l., works lb. .18½ - —
tanks, works lb. .16½ - —
Monoethylether, acetate, dms., c.l., works lb. .24 - —
l.c.l., works lb. .24½ - —
Monomethylether, dms., c.l., works lb. .22 - —
l.c.l., works lb. .22½ - —
tanks, works lb. .20½ - —
Diethylenetriamine, dms., c.l., works. lb. .42 - —
l.c.l., works lb. .42½ - —
tanks, works lb. .40 - —
Diethylethanolamine, dms., c.l., works, frt. alld lb. .61½ - —
l.c.l., same basis lb. .62½ - —
tanks, same basis lb. .59¼ - —
Diethylstilbestrol, USP, bots kilo. 240.00 - 320.00
Digitalin, crvst., bots gram. 12.50 - 18.00
powd., bots oz. 25.00 - 30.00
Digitalis leaves, dms lb. .85 - 1.25
Digitoxin, USP, bots gram. 7.50 - 8.00
Diglycol, laurate, dms lb. .30 - .32
Oleate, dms lb. .25 - .27
Stearate, dms lb. .25 - .26
Dihexyl sebacate, dms., c.l., works. lb. .42½ - —
l.c.l., works lb. .43 - —
tanks, works lb. .41 - —
Dihydrostreptomycin hydrochloride and sulphate, hospitals, vials. gram. .60 - —
wholesalers, vials gram. .48 - —
Dihydroxydichlorodiphenylmethane, dms. lb. .95 - 1.00
smaller containers lb. 1.05 - 1.40
Di-isobutyl ketone, dms., c.l., dlvd. lb. .14¼ - —
l.c.l., dlvd. lb. .15¼ - —
tanks, dlvd. lb. .12½ - —

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Di-isobutylene, dms., c.l., works..lb. .08¼- —
l.c.l., works ..... lb. .09 - —
tanks, works ..... lb. .05½- .06½
Di-isooctyl phthalate, dms., c.l., dlvd. lb. .37½- —
l.c.l., same basis..... lb. .38½- —
tanks, same basis..... lb. .36 - —
Di-isopropylamine, dms., c.l., frt. alld..lb. .45¼- —
l.c.l., same basis..... lb. .46¼- —
tanks, same basis..... lb. .43½- —
Dilliseed, natural, bgs..... lb. .10½- .11
dewhiskered, bgs. ..... lb. .12 - .12½
Dimethyl chloroacetal, dms., c.l., works..lb. .53 - —
l.c.l., works..... lb. .55 - —
tanks, works..... lb. .51 - —
Phthalate, dms., c.l., dlvd..... lb. .23½- .23¾
l.c.l., dlvd..... lb. .24½- .24¾
tanks, dlvd..... lb. .22 - —
Sebacate, dms., c.l., works ..... lb. 69½- —
l.c.l., works..... lb. .70 - —
tanks, works..... lb. .68 - —
Sulphate, 55-gal. ret., dms., c.l., works. lb. .15 - —
l.c.l., works..... lb. .16 - —
10-gal. ret. dms., works..... lb. .16½ —
Dimethylamine, 25%-40%, dms., cl., works, basis 100% lb. .37 .38
l.c.l., works, basis 100%...lb. .37½- .38¼
tanks, works, basis 100%....lb. .36 —
Dimethylanilin, dms., c.l..... lb. .23 - —
l.c.l. ..... lb. .25 - —
tanks ..... lb. .21 - —
Dimethylethanolamine, dms., c.l., dlvd lb. 1.43 - —
l.c.l., dlvd. ..... lb. 1.45 - —
tanks, dlvd. ..... lb. 1.40 - —
Dinitroanilin, dms., frt. equald..lb. .52 - .55
Dinitrobenzene, crude, dms..... lb. .17 - —
purified, dms..... lb. .18½- —
Dinitrochlorobenzene, 48° C m.p., dms., c.l lb. .13½- .14½
l.c.l. ..... lb. .14 - .15
tanks ..... lb. .13¼- .14¼
Dinitrophenol, bbls..... lb. .31 - —
Dinitrotoluene, oily, dms..... lb. .09½- —
refd., dms. ..... lb. .19 - —
Dinonylnaphthalene, c.l., dms., work. lb. .13 - —
l.c.l., dms., works..... lb. .14 - —
tanks, works ..... lb. .12 - —
Dioctyl adipate, dms., c.l., works, frt. alld lb. .435 - —
l.c.l., same basis ..... lb. .445 - —
tanks, same basis ..... lb. .53 - —
Phthalate, dms., c.l., frt. alld..lb. .37½- —
l.c.l., frt. alld..... lb. .38½- —
tanks, frt. alld..... lb. .36 - —
Diorthotolylguanidin, dms., ton lots, dlvd lb. .48 - —
smaller lots, dlvd ..... lb. .50 - —
Dioxan, dms., c.l., frt. alld..... lb. .25 - —
l.c.l., same basis..... lb. .25½- —
tanks, same basis..... lb. .23½- —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., l.c.l., works lb. .34 - —
Dipentene, dest.-dist., dms. incl., c.l., works, South..gal. .35 - —
l.c.l., same basis..... gal. .36 - —
N. Y. whse. ..... gal. .46 - —
tanks, works, South..... gal. .20 - —
steam-dist., dms., c.l., works, south..gal. .35 - —
l.c.l., works, South ..... gal. .46 - —
dlvd. N. Y. ..... gal. .52 - —
Diphenyl, bbls., c.l., works... lb. .15 - —
l.c.l., works ..... lb. .16 - .20
Oxide, perfume grade, cns., dms. lb. .43 - .62
Diphenylamine, bbls..... lb. .27 - —
Diphenylguanidin, dms., ton lots lb. .39 - —
smaller lots..... lb. .40 - —
Diphenylhydantoin-sodium, USP, dms. lb. 3.25 - 3.50
Dipropyleneglycol, dms., c.l., frt. alld lb. .14½- —
l.c.l., same basis..... lb. .15½- —
tanks, same basis ..... lb. .13 - —
Dipropyleneglycol methylether, dms., c.l., frt. equald lb. .18 - —
l.c.l., same basis ..... lb. .18½- —
tanks, same basis ..... lb. .16½- —
Ditertiarybutylmetacresol, dms., c.l., works lb. .32 - —
l.c.l., works..... lb. .33 - —
tanks, works ..... lb. .31 - —
Ditertiarybutylparacresol, dms., c.l., works lb. .91 - —
l.c.l., works ..... lb. .95 - —
Divi-divi, 43% tannin, bgs., bls., c.l., U. S. ports, ex dock..ton. 68.00 - —
Divinylbenzene, 18%, dms., c.l., works. lb. .25 - —
l.c.l., works..... lb. .26 - —
tanks, works ..... lb. .24 - —
40%, dms., c.l., works..... lb. .55 - —
l.c.l., works ..... lb .60 - .65
Dodecyltoluene, dms., c.l., works lb. .14 - —
l.c.l., works ..... lb. .15 - —
tanks, works ..... lb. .13 - —
Doggrass root, dom., cut, bls... lb. .20 .24
imp., NF, cut, bls ..... lb. .25 - .30
Dogwood bark, Jamaica ..... lb. .10 - .14
Dragon's blood, drops, cs..... lb. .45 - .47
mass, cs. ..... lb. .90 - 1.00
reeds, cs ..... lb. 1.75 2.00

Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots, dlvd.:—
Blue, FD&C, No. 1, cns. ..... lb.17.00 -17.60
No. 2, cns. ..... lb.17.00 -17.60
Green, FD&C, No. 1, cns. ....lb.17.00 -17.60
No. 2, cns. ..... lb.22.20 -22.85
No. 3, cns. ..... lb.35.25 -35.90

Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots, dlvd.:—
Orange, FD&C, No. 1, cns. ....lb 3.65 - 3.75
No. 2, cns. ..... lb 4.55 4.75
Red, FD&C, No. 1, cns. ..... lb 7.55 7.85
No. 2, cns. ..... lb 4.00 4.10
No. 3, cns. ..... lb.22.20 -22.85
No. 4, cns. ..... lb 7.20 7.50
No. 32, cns. ..... lb 5.30 5.40
Violet, FD&C, No. 1, cns .....lb.16.10 - —
Yellow, FD&C, No. 1, cns. ....lb 10.50 -11.05
No. 3, cns. ..... lb 3.30 3.40
No. 4, cns. ..... lb 3.30 3.40
No. 5, cns. ..... lb 4.00 4.10
No. 6, cns. ..... lb 4.00 4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Black, D&C, No 1, cns. ..... lb.10.95 - —
Blue, D&C, No. 4, cns. ..... lb.13.55 - —
Brown, D&C, No. 1, cns. ..... lb.16.10 - —
Green, D&C, No. 5, cns. ..... lb.16.10 - —
No. 6, cns. ..... lb.16.10 - —
No. 7, cns. ..... lb 14.80 - —
Orange, D&C, No. 3, cns. ..... lb.10.95 - —
No. 4, cns. ..... lb.20.05 - —
No. 5, cns. ..... lb 5.70 - —
No. 10, cns. ..... lb.20.70 - —
Red, D&C, No. 8, cns. ..... lb 3.75 - —
No. 9, cns. ..... lb 3.75 - —
No. 10, cns. ..... lb 3.00 - —
No. 11, cns. ..... lb 2.25 - —
No. 12, cns. ..... lb 3.00 - —
No. 17, cns. ..... lb.10.95 - —
No. 18, cns. ..... lb.24.00 - —
No. 19, cns. ..... lb.20.05 - —
No. 21, cns. ..... lb 4.70 - —
No. 22, cns. ..... lb.10.95 - —
No. 28, cns. ..... lb.24.65 - —
No. 33, cns ..... lb.17.45 - —
Violet, D&C, No. 2, cns..... lb.16.10 - —

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Yellow, D&C, No. 7, cns. ..... lb.10.95 - —
No. 8, cns. ..... lb.10.95 - —
No. 10, cns. ..... lb.13.50 - —
No. 11, cns. ..... lb.13.50 - —
No. 22, cns. ..... lb. 9.15 - —
No. 33, cns. ..... lb.14.65 - —
No. 37, cns. ..... lb.13.55 - —

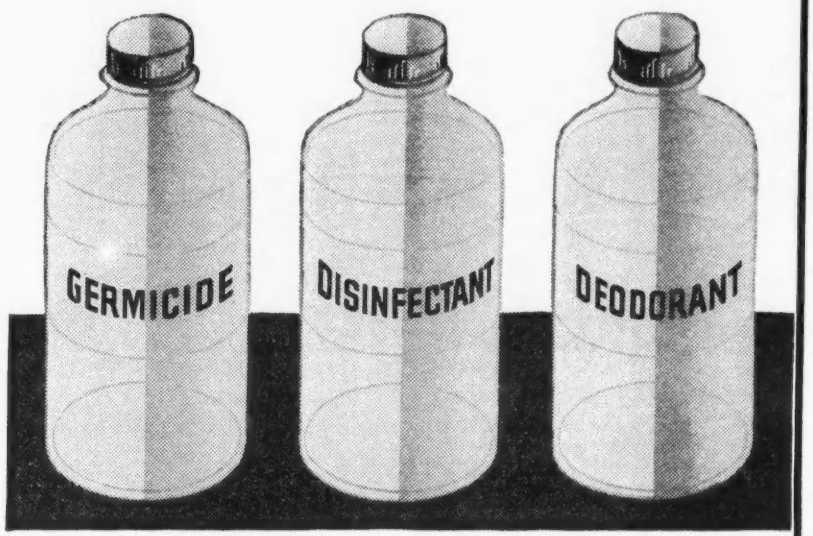
Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Blue, Ext. D&C, No. 1, cns....lb.16.10 - —
Green, Ext. D&C, No. 1, cns. ..lb.16.10 - —
Red, Ext. D&C, No. 1, cns. ...lb.13.50 - —
Yellow, Ext. D&C, No. 1, cns. .lb.10.95 - —

Dyes, coaltar, certified in cloth dyeing (numbers are those of the Colour Index scale or prototype).
20 Chrysodine G. ..... lb. .59 - —
27 Orange G. ..... lb. .71 - —
31 Amido naphthol red G. ..lb. .59 - —
36 Alizarine yellow 2G ..... lb. .76 - —
40 Alizarine yellow R ..... lb. .97 - —
57 Amido naphthol red 6B lb. .90 - —
79 Ponceau R..... lb. .68 - —
151 Orange II..... lb .44 - —
165 Red lake C..... lb 1.05 - —
179 Azo rubine..... lb. .95 - —
176 Red lake A ..... lb. .80 - —
180 Diamond blue 3B..... lb. .84 - —
185 Cochineal red A ..... lb. .85 - —
202 Chrome blue black R....lb. .62 - —
203 Chrome black T ..... lb. .72 - —
208 Sulphon acid blue R..... lb. .83 - —
216 Acid alizarin red B..... lb. .77 - —
234 Resorcin brown ..... lb. .82 - —
246 Naphthol blue black..... lb .78 - —
278 Benzo fast red SBL ..... lb 2.74 - —
289 Sulphon cyanine 5R extra lb. 1.00 - —
299 Diamond black F ..... lb. 1.78 - —
304 Nerol 2B ..... lb. 1.84 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype)—
326 Benzo fast orange S .....lb. 1.45 - —
332 Bismarck brown R.....lb. .78 - —
355 Chrysophenine .....lb. 2.14 - —
382 Diamine black BH.....lb 1.51 - —
401 Diamine black BH.....lb. .58 - —
406 Benzo blue 2B conc.....lb .98 - —
419 Diamine fast red F.....lb 1.05 - —
420 Diamine brown M.....lb. .82 - —
448 Benzo purpurine 4B.....lb 1.08 - —
518 Diamine sky blue FF..... lb 1.48 - —
561 Trisulphon brown B ..... lb 1.78 - —
581 Direct deep black EW extra, lb 81 - —
593 Diamine green B..... lb. .60 - —
598 Congo brown G ..... lb 1.20 - —
620 Sun yellow ..... lb .84 - —
639 Xylene light yellow..... lb 1.77 - —
640 Tartrazine ..... lb 1.34 - —
655 Auramine ..... lb 1.69 - —
657 Malachite green ..... lb 1.93 - —
682 Brilliant green ..... lb 2.55 - —
667 Brilliant milling green B lb 3.27 - —
671 Glaucine ..... lb 1.54 - —
680 Methyl violet B ..... lb .95 - —
681 Crystal violet ..... lb 1.91 - —
698 Formyl violet S4B..... lb 1.51 - —
720 Chrome azurol B..... lb 3.60 - —
729 Victoria blue B..... lb 2.48 - 2.68
737 Wool green S..... lb 2.14 - —
749 Rhodamine B ..... lb 3.85 - —
814 Chloramine yellow..... lb 2.76 - —
841 Safranine ..... lb 2.58 - —
865 Nigrosine WSJ 78 ..... lb. .60 - —
922 Methylene blue GXX ..... lb 1.28 - —
969 Hydron blue R ..... lb 72 - —
978 Sulphur black T extra....lb. .28½- —
1027 Alizarin VI ..... lb .64 - —
1034 Alizarin red S ..... lb 2.30 - —
1054 Alizarin saphiro B..... lb 2.59 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype):
1078 Alizarin cyanine green....lb 2.61 - —
1085 Alizarin blue black B ..... lb 2.13 - —
1096 Indanthrene golden orange G, single paste lb 1.98 - —
double paste ..... lb. 3.92 - —
1099 Indanthrene dark blue BO, single paste lb. 1.72 - —
1101 Caledon jade green ..... lb 2.32 - —
1106 Indanthrene blue RS, double paste lb. 2.52 - —
1113 Indanthrene blue GCD, double paste lb. 1.72 - —
1150 Indanthrene olive R, single paste lb. 1.08 - —
1151 Indanthrene brown R, single paste lb. 1.65 - —
double paste ..... lb. 3.29 - —
1212 Indanthrene red violet RH, single paste lb. 1.54 - —
1217 Helindon orange R, single paste lb 1.57 - —
p-4 Acid anthracine brown P G.lb 2.48 - —
p-14 Anthracene chromate brown EB lb. 1.25 - —
p-24 Benzo fast black L ..... lb. 1.94 - —
p-30 Diazo brilliant scarlet ROA.lb. 2.55 - —
p-202 Zambesi black V ..... lb. .97 - —
p-244 Celliton scarlet B ..... lb. 1.25 - —
p-313 Naphthol AS-SW ..... lb. 2.74 - —

Dyes, coaltar, for stains, oil-soluble, 100-lb dms. sellers' works.
Black, blue, No 550..... lb. .72 - —
Jet, No 551 ..... lb. .79 - —
Brown, R conc ..... lb 1.44 - —
Orange, R, brilliant..... lb .80 - —
Red 4 B, conc..... lb 1.32 - —
Yellow, C ..... lb 1.05 - —
FN, conc ..... lb. 1.09 - —



CH_3 $SO_2NClNa \cdot 3H_2O$

MONSANTO CHLORAMINE-T, N. F.

Solid, Chlorine-bearing Compound

Widely used as a germicide, disinfectant and deodorant, Monsanto Chloramine-T, N. F., is worthy of your investigation whenever you need a chlorine-bearing compound. It may find specialized use as an oxidizing agent, since the oxidation potential of solutions may be readily controlled by varying the alkalinity.

Chloramine-T, N. F., also known as sodium N-chloro-para-toluenesulfonamide, is a white or faintly yellow crystalline powder with molecular weight of 281.70. Solubility in water (2:15) complete; free alkali (as NaOH) 0.07-0.15%; loss on drying (3 hours at 97° C.) 18.0-20.0%; active chlorine 12.25-12.60%; assay 97.3% min.; trace max. retained on 10 mesh; 1.0-7.0% retained on 35 mesh. It is stable on the alkaline side.

For information on Monsanto Chloramine-T, N. F., or on any Monsanto product listed at the right, mail the coupon or contact the nearest Monsanto Sales Office. MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1739-G South Second Street, St. Louis 4, Missouri.

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Acetanilid, U.S.P.
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Benzoic Acid, U.S.P.
Benzyl Benzoate, U.S.P.
Caffeine, U.S.P.
Calcium Phosphate, Di
Chloral Hydrate, U.S.P.
Chloramine-T
Ferric Phosphates
Glycerophosphates
Magnesium Phosphates
Methyl Salicylate, U.S.P.
para-Aminosalicylic Acid
Phenol, U. S.P.
Phenolphthalein, U.S.P.
Phosphoric Acid
Potassium Ammonium Phosphate
Saccharin, U.S.P.
Salicylic Acid, U.S.P.
Salol (Phenyl Salicylate)
Sodium Benzoate, U.S.P.
Sodium Phosphate, Di
Sodium Salicylate, U.S.P.
Sulfanilimide, U.S.P.

MONSANTO CHEMICALS—PLASTICS

MONSANTO CHEMICAL COMPANY
Organic Chemicals Division
1739-G South Second Street, St. Louis 4, Missouri

Please send information on: .....Chloramine-T, N. F.; on.....

.....

Name.....*Title*.....

Company.....

Street.....

City.....*Zone*.....*State*.....

SERVING INDUSTRY . . . WHICH SERVES MANKIND

Dyes, Coaltar, for Stains, Spirit-Soluble—Furfural

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms., sellers' works.

Auramine, O	lb.	1.69	—
Black, basic, blue	lb.	1.08	—
Jet	lb.	1.08	—
Blue, methylene, 2 B. conc	lb.	1.42	—
Brown, Bismarck, R, conc	lb.	.78	—
Chrysodine, R, extra	lb.	.56	—
Y, extra	lb.	.59	—
Fuchsine, conc	lb	2.82	—
Green, malachite, conc	lb.	1.93	—
Rhodamine, B	lb.	3.97	—
Safranine, Y conc	lb.	2.66	—
Violet, methyl, B	lb.	1.01	—

Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works.

Black, acid blue, B extra	lb.	.76	—
Orange, acid, Y, conc	lb.	.42	—
Rhodamine, azo R, extra conc.			
Rhodamine, R, extra, conc	lb.	3.97	—
Scarlet, croceine, MOO	lb.	1.33	—
Yellow, azo-, conc	lb.	.82	—
Fast light, 3 G, extra	lb.	1.80	—
Methanil, conc	lb.	.83	—

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls	lb.	.45	.55
Egg albumen (see Albumen).			
Yolk, dried, dom., bbls	lb.	1.09	1.12
Chinese, spot, bbls., duty paid	lb.	.80	.85
tanners, bbls	lb.	.06½	.07
Elder flowers, bright, bls	lb.	.40	.50
Elecampane root, bls	lb.	.22	.25
Elm bark, grinding, bls	lb.	.30	.35
powd., bbls., bxs	lb.	.40	.45
select, bndls	lb.	.55	.60
Emetine hydrochloride, USP, bots.	oz.	37.50	40.00
Ephedra herb, bls	lb.	.30	.32
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs.	oz.	.98	—
hydrous, bots., 100 ozs	oz.	.92	—
Hydrochloride, tin, 100 ozs	oz.	.75	—
Sulphate, cryst., tins, 100 ozs.	oz.	.72	—
powd., tins, 100 ozs	oz.	.73	—
Epichlorohydrin, dms., c.l., works.	lb.	.36¾	—
l.c.l., works	lb.	.37½	—
tanks, works	lb.	.35	—
Epinephrine, synth., USP, bots., 100 grams	gram.	.45	—
Epsom salt, tech., bgs., c.l., works.	100 lbs.	2.15	—
l.c.l., works	100 lbs.	2.90	3.15
USP, cryst., bgs., c.l., works	100 lbs.	2.35	—
l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	3.10	—
smaller lots	100 lbs.	3.35	—
Ergot, NF, dms., tin-lined	lb.	3.75	4.50
Eserine, bots.	oz.	45.00	50.00
Salicylate, USP, bots	oz.	33.00	34.00
Sulphate, bots	oz.	36.00	37.00

Ether, acetate (see Ethyl acetate).

Butyl, dms., c.l., dlvd	lb.	.30½	—
l.c.l., dlvd	lb.	.31	—
tanks, dlvd	lb.	.29	—

Butyric (see Ethyl butyrate).

Dichloroethyl, purif., dms., works.	lb.	.16½	—
l.c.l., same basis	lb.	.17	—
tanks, same basis	lb.	.15	—
Divinyl, USP, anesthesia, bots., 50 cc, hospitals	bot.	1.00	—
75 cc. hospitals	bot.	1.56	—
NF, dms., dlvd	lb.	.25	—
Ether, ethyl, absolute, ACS, dms	lb.	.30	—
anesthesia, USP, hospital, cns.	lb.	.75	.90
Industrial, USP, dms., c.l., dlvd.	lb.	.10½	—
l.c.l., same basis	lb.	.12½	—
tanks, same basis	lb.	.08½	—
synthetic, dms., incl., dlvd. East.	lb.	.10½	—
l.c.l., same basis	lb.	.12½	—
tanks, same basis	lb.	.08½	—
Isopropyl, dms., c.l., dlvd	lb.	.06¼	—
l.c.l., dlvd.	lb.	.07	—
tanks, dlvd.	lb.	.04½	—
Nitrous, conc., bots., 100 lbs	lb.	1.03	1.10
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld.	lb.	.10¾	—
l.c.l., frt. alld	lb.	.11¾	—
tanks, frt. alld	lb.	.09	—
85-98%, dms., c.l., frt. alld	lb.	.11	—
l.c.l., frt. alld	lb.	.12	—
tanks, frt. alld	lb.	.09¼	—
99%, dms., c.l., frt. alld	lb.	.11¼	—
l.c.l., frt. alld	lb.	.12¼	—
tanks, frt. alld	lb.	.09½	—
NF, dms., frt. alld	lb.	.25	—
synthetic, 85-90%, dms., c.l., frt. alld	lb.	.10¾	—
l.c.l., frt. alld	lb.	.11¾	—
tanks, frt. alld	lb.	.09	—
95-98%, c.l., frt. alld	lb.	.11	—
l.c.l., frt. alld	lb.	.12	—
tanks, frt. alld	lb.	.09¼	—
99%, dms., c.l., frt. alld	lb.	.11¼	—
l.c.l., frt. alld	lb.	.12¼	—
tanks, frt. alld	lb.	.09½	—
Acetoacetate, dms., c.l., dlvd	lb.	.47½	—
l.c.l., dlvd.	lb.	.48½	—
tanks, dlvd.	lb.	.46	—
Acrylate, dms., c.l., and truckload, works	lb.	.49	—
less than truckload, works	lb.	.49½	—
tanks, works	lb.	.48	—
Ethyl benzoate, dms	lb.	.70	.75
Betaethoxypropionate dms. works	lb.	.70	—
Bromide, tech., 98%, dms	lb.	.39	.41
Butyrate, bots	gal.	5.10	5.65
cns., works	lb.	.68	.80
dms., works	lb.	.60	—
Carbamate (see Urethane).			
Chloride, tech., dms., c.l., frt. alld. E.	lb.	.16	.18
l.c.l., same basis	lb.	.18	.20
tanks, same basis	lb.	.13½	—
USP, bbls., cyl	lb.	.20	.22
Cinnamate, cns.	lb.	2.25	2.50
Formate, dms	lb.	.55	.65
Iodide, bots., works	lb.	3.80	4.27
Lactate, dms., works	lb.	.41	—
Methacrylate, dms., c.l. and truckload, works	lb.	.50	—
less than truckload, works	lb.	.50½	.60
Nitrite (see Ether, nitrous).			
Oenanthate, dms	lb.	.95	1.50
Oleate, dms., l.c.l., works	lb.	.53	—
Oxalate (see Diethyl oxalate).			
Silicate, dist. (see Tetraethyl-orthosilicate).			
40% available SiO_2, dms., works.	lb.	.55	—
Ethylalphanaphthylamine, dms	lb.	.80	—
Ethylanilin, dms.	lb.	.50	—
Ethylbenzene, dms., c.l.	lb.	.14	—
l.c.l.	lb.	.15	—
tanks	lb.	.13	—
Ethylcellulose, fib dms., 5,000 lbs., works	lb.	.54	—
smaller lots, works	lb.	.56	.64
Ethylene dichloride, dms., c.l., works, frt. alld. E, of Rockies	lb.	.09½	—
l.c.l., works, frt. alld. E of Rockies	lb.	.10½	—
tanks, frt. alld., E. Rockies	lb	.08	—
Prices West of Rockies, 1c. per lb. higher.			
Oxide, cyls., c.l., frt. alld	lb.	.23¾	—
l.c.l., frt. alld	lb.	.24¾	—
tanks, frt. alld	lb.	.16¾	—
Trichloride (see Trichloroethane)			
Ethylenediamine, dms., c.l., works.	lb.	.42	—
l.c.l., works	lb.	.42½	—
tanks, works	lb.	.40	—
Ethyleneglycol, dms., c.l., frt. alld. E	lb.	.16	—
l.c.l., same oasis	lb.	.17	—
tanks, same basis	lb.	.14½	—
Diethylether, dms., l.c.l., works	lb.	.50	—
Monobutylether, dms., c.l., works.	lb.	.20	—
l.c.l., works	lb.	.20½	—
tanks, works	lb.	.18½	—
Monoethylether, dms., c.l., works.	lb.	.18	—
l.c.l., works	lb.	.18½	—
tanks, works	lb.	.16½	—
Monoethylether acetate, dms., c.l., works	lb.	.16	—
l.c.l., works	lb.	.16½	—
tanks, works	lb.	.14½	—
Monomethylether, dms., c.l., works.	lb.	.19½	—
l.c.l., works	lb.	.20	—
tanks, works	lb.	.18	—
Monomethylether acetate, dms., c.l., works	lb.	.24½	—
l.c.l., works	lb.	.25	—
tanks, works	lb.	.23	—
Monostearate, dms.	lb.	.33	—
Ethylethanolamines, mixed, dms., c.l., frt. alld., E. Miss.	lb.	.33¾	—
l.c.l., same basis	lb.	.34¾	—
tanks, same basis	lb.	.32	—
Ethylmorphine hydrochloride, USP, bots	oz.	11.85	—
Ethylorthotoluidine, bbls.	lb.	.80	—
Ethylvanillin, cns., 3 lbs. or more	lb	6.75	—
smaller lots	lb.	6.80	6.90
Eucalyptol, USP, cns., dms	lb.	1.25	2.05
Eucalyptus leaves, bls	lb	.10	.14
Eugenol, pure, USP, cns	lb.	2.15	2.95
Euphorbia, pil., herb., bls	lb.	.15	.18

F

Feldspar enamel, 100 mesh, bgs., works	ton.	20.00	22.00
Glass, 20 mesh, bulk, tons, works.	ton.	11.75	12.50
Pottery, bgs., ton lots, works	ton.	20.00	22.00
bulk, c.l., works	ton.	18.00	20.00
Fennel seed, Czech., dark, bgs.	lb.	.10	.10½
French, bgs.	lb.	.11	.11½
Indian, bgs	lb.	.12	.12½
Fenugreek, domestic, bgs	lb.	No stocks.	
Indian, bgs	lb.	.11	.11½
Moroccan, bgs	lb.	.06½	.07
Syrian, bgs.	lb.	.06½	.06¾
Ferric-ammonium citrate (see iron-ammonium citrate)			
Ferric cacodylate (see iron cacodylate).			
Ferric glycerophosphate (see iron-glycerophosphate).			
Ferric hypophosphite (see iron hypophosphite).			
Ferric sulphate (see iron sulphate, ferric).			
Film scrap, colored, cs., works	lb.	.11½	—
water-white, cs., works	lb.	.13½	—
Fir balsam, Canada, cns	gal.	32.50	33.00
Oregon, bbls.	gal.	2.35	2.60
Fishberries, bgs	lb.	.20	.25
Fishliver oil (see Oil, fishliver).			
Fishmeal, ground, 60% protein, bgs., Balto. area	ton.	130.00	—
Fishscrap, dried, 60% protein, bulk, Balto. area	ton.	122.50	—
Fleaseed (see Psyllium seed).			
Fringetree bark, bls	lb.	.42	.45
Fluorspar, acid grade, bgs., c.l., mines	ton.	47.50	—
l.c.l., mines	ton.	49.50	—
bulk, contract, c.l., mines	ton.	42.00	—
noncontract, c.l., mines	ton.	45.00	—
l.c.l. mines	ton.	47.00	—
ceramic grade, No. 1, ground, 90-92% CaF_2, bulk, c.l., mines net	ton.	39.00	41.00
powd., 90-92%	ton.	41.00	—
foundry grade, lump, 55-60%,	ton.	34.00	—
washed, gravel, 70% or more, CaF_2, bulk, c.l., mines	ton.	35.00	37.00
65%, bulk, c.l., mines	ton.	34.00	36.00
60%, bulk, c.l., mines	ton.	33.00	35.00
less than 60%, bulk, c.l., mines.	ton.	32.00	34.00
Formaldehyde, USP (uninhibited), dms., c.l., E. works	lb.	.0570	—
l.c.l., E. works	lb.	.0620	—
tanks, E. works	lb.	.0370	—
methanol-free (uninhibited), tanks, works	lb.	.0350	—

Tankcar and tankwagon prices above are on a delivered oasis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware. In states other than Eastern Seaboard as well as W. of Rockies, prices f.o.b. Texas plants, are .022 for inhibited and .020 for uninhibited.

Fuller's earth dom., powd., bgs., c.l., Fla., Ga mines	ton.	30.00	—
Tex., mines	ton.	27.00	—
spent, bulk, Bayonne	ton.	2.00	4.00
imported, bgs., c.l.	ton.	30.00	40.00
Furfural, tech., dms., c.l., works	lb.	.12	—
l.c.l., works	lb.	.14	—
tanks, works	lb.	.09½	—

Jefferson

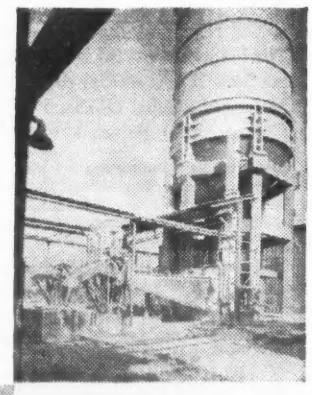
Diethylene Glycol

Excellent Quality For Many End Uses...

tobacco humectant
manufacture of resins
manufacture of plasticizers
printing inks
dehydrating agent for natural gas
textile softener
dyestuff solvent

Available East and West in Convenient Lots

from Port Neches, Texas, or Union, N. J.
in tank cars or 55 gallon drums.



Quicklime silo and lime slakers in ethylene oxide and glycol unit at Jefferson's Neches plant.

Jefferson Chemical Company, Inc.

711 FIFTH AVE., NEW YORK 22, N.Y.

ESSENTIAL CHEMICALS FROM HYDROCARBON SOURCES

Down go container costs...
Up Go Sales!

Seal-crimping is the ultra-modern, convenient form of product packaging —each unit individually packed in tailor-made air and dirt-free, moisture-proof compartments. And Strong Cobb seal-crimping is the smart way to whittle down container costs— and wrap up more sales!

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Seal-crimping in bright cellophane, silver or gold foil, plastic, etc., with your own stylized sales message printed directly on package builds a brisk, eye-catching product!

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STRONG-COBB

Strong Cobb & Co. Inc.

2654 LISBON ROAD CLEVELAND 4, OHIO

Fusel Oil—Gum, Ester

Fusel oil, refined, dms., c.l., dlvd lb. .23¾- —
l.c.l., dlvd lb. .24¾- —
tanks, dlvd lb. .22 - —
Fustic extract, cryst., No. 2, bbls., l.c.l. lb. .42½- —
No. 1A, bbls., l.c.l. lb. .41½- —
No. 2, bbls., l.c.l. lb. .40½- —
No. 3, bbls., l.c.l. lb. .38½- —
liquid, No. 0, bbls., l.c.l. lb. .22 - —
No. 1, bbls., l.c.l. lb. .20½- —
No. 2, bbls., l.c.l. lb. .19½- —
No. 3, bbls., l.c.l. lb 17 - —
solid, No. 1, bxs., l.c.l. lb. .28 - .40

G

G salt, bbls lb. .50 - .60
Galangal root, bls lb. .22 - .25
Gambier, plantation, bgs., ex dock lb. No stocks.
Extract, bbls No stocks.
Gammapicoline, 95%, dms., c.l., works lb. 1.00 - 1.05
Gasoline, at refinery, ex tax, Arkansas, 80 octane, tanks gal. .105 - —
Bayonne, 83 octane, tanks gal. .116 - —
Gulf coast, 82 octane, tanks gal. .105 - .11
Group 3, 82 octane, tanks gal. .10125- .10375
Pennsylvania, western, U. S. motor, 83 octane, tanks gal. .1275- —
natural, 26-70 octane, group 3, tanks gal. .05125- —
Gelatin, silver label, imported, cs lb. 1.15 - —
Gelsemium root, bls lb. .25 - .30
Gentian root, bls lb. .13 - .17
grd., bbls., bxs lb. .17 - .18
powd., bbls., bxs lb. .18 - .21
Geraniol, extra, cns., dms lb. 2.60 - 3.00
prime lb. 2.20 - 2.40
Geranyl acetate, cns lb. 2.60 - 3.00
Ginger, oleoresin, NF, African, bots. lb. 7.25 - 8.70
Jamaican lb. 9.40 -12.50
Root, African, bls lb. .41 - .45
May-June shipment, bgs lb. .38 - .39
Cochin, bleached, bgs., futures, lb. No stocks.
unbleached, bgs. lb. .49 - .49½
Jamaica, No. 1, bgs lb. .57 - .58
No. 2, bgs lb. .54 - .56
No. 3, bgs lb. .52 - .53
Rhattoon, bgs. lb. .50 - .50½
Nigerian, split, bgs lb. .31 - .32
Ginseng root, cs lb. 12.00 -16.00
Glauber's salt, annyd. (see Sodium sulphate).
cryst., bgs., c.l., works 100 lbs. 1.60 - —
l.c.l., bgs., works 100 lbs. 1.75 - 2.00
Glue, bone, calcium type, 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest lb. .18½- —
65 jellygrams, bgs., c.l., same basis lb. .20 - —
80 jellygrams, bgs., c.l., same basis lb. .21 - —
110 jellygrams, bgs., c.l., same basis lb. .22 - —
130 jellygrams, bgs., c.l., same basis lb. .23 - —
Over 150 jellygrams, bgs., c.l., same basis lb. .24 - —
Bone glue, l.c.l., 1c. per lb. higher than c.l.
ground, 65 jellygrams, bgs., c.l., 50,000 lbs.), dlvd lb. .20½- —
l.c.l., same basis lb. .21½- —
Glue, hide, 100-121 (jellygrams), bgs., c.l., dlvd lb. .22 - .25
122-149, bgs., c.l., dlvd lb. .23 - .26
150-177, bgs., c.l., dlvd lb. .24 - .27
178-206, bgs., c.l., dlvd lb. .25 - .29
207-236, bgs., c.l., dlvd lb. .26 - .30
237-266, bgs., c.l. dlvd lb. .27 - .31
267-298, bgs., c.l., dlvd lb. .28 - .32
299-330 bgs., c.l., dlvd lb. .29 - .33
331-362, bgs., c.l., dlvd lb. .30 - .33
363-394, bgs., c.l., dlvd lb. .31 - .34
lb. .31 - .34
395-427, bgs., c.l., dlvd lb. .32 - .35
428-460, bgs., c.l., dlvd lb. .33 - .36½
461-494, bgs., c.l., dlvd lb. .34 - .38
495-529, bgs., c.l., dlvd lb. .35 - .39
Hide glue, l.c.l., prices 1c. higher than c.l., bbls., ½c more than bgs.
Glycerin, crude, saponification, 88%. to refiners, tanks, dlvd lb. No prices.
soaplye, 80%, tanks, dlvd lb. No prices.
dynamite, dms., c.l., dlvd lb. .29 - —
l.c.l., dlvd lb. .29½- —
tanks, dlvd lb. .28½- —
high gravity, dms., c.l., dlvd lb. .29¼- —
l.c.l., dlvd lb. .29¾- —
tanks, dlvd lb. .28¾- —
refined, BP, 98%, dms., c.l., dlvd. lb. .30½- —
l.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .30 - —
USP, c.p., 95% dms., c.l., dlvd. lb. .29¾- —
l.c.l., dlvd lb. .30¼- —
tanks, dlvd lb. .29¼- —
yellow, distilled, dms., c.l., dlvd lb. .29¼- —
l.c.l., dlvd lb. .30¼- —
tanks, dlvd lb. .28¾- —
Glycine USP (see Acid, aminoacetic).
Glyoxal, 30%, dms., c.l., works lb. .17½- —
l.c.l., works lb. .18 - —
tanks, works lb. .17 - —
Gold chloride, acid-brown, bots. oz. 22.50 -23.00
acid-yellow, bots oz. 20.50 - —
Gold of pleasure seed, bgs lb. .40 - .41
Goldenseal root, bls lb. 2.90 - 3.50
powd., bxs. lb. 3.50 - 4.00
Gold-sodium chloride, photo, bots. oz. 13.00 -14.00
USP IX, bots oz. 14.50 -15.50
Grains of paradise, bgs lb. .44 - .45
Graphite, imported, amorph, powd., bgs., dlvd lb. No prices.
crystalline, 88-90%, powd., bgs., ex whse lb. No prices.
90-92%, powd., bgs., ex whse. lb. No prices.
97%, powd., bgs., ex whse lb. No prices.
Lake, No. 1 90-95%, bgs., ctns., ex whse lb. No prices.
No. 2, whse lb. No prices.
Grease, house, lose, dlvd lb. .03½- —
White, choice, loose lb. .05¾- —
Wool (see Degras and Lanolin).
Yellow, loose lb. .04½- —
Green, brilliant, thioflavin, toner, molybdic, kgs., works lb. 4.25 - 4.50
Tungstic, kgs., works lb. 4.25 - 4.50
16-20%, bbls., same basis lb. .38½- —
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .32 - —
6-10%, bbls., same basis lb. .33 - —
11-15%, bbls., same basis lb. .34 - —
16-20%, bbls., same basis. lb. .34½- —
21-25%, bbls., same basis lb. .35¼- —
26-30%, bbls., same basis lb. .35¾- —
31-35%, bbls., same basis lb. .36¾- —
36-40%, bbls., same basis lb. .38½- —
41-45%, bbls., same basis lb. .40 - —
46-50%, bbls., same basis lb. .22¼- —
50% and over, bbls., same basis lb. .42¾- —
reduced color, 5%, bbls., same basis lb. .12½- —
6-10%, bbls., same basis lb. .13¼- —
11-13%, bbls., same basis lb. .13¾- —
14-16%, bbls., same basis lb. .14½- —
17-19%, bbls., same basis lb. .14¾- —
20-21%, bbls., same basis lb. .15 - —
22-23%, bbls., same basis lb. .15¼- —
24-25%, bbls., same basis lb. .15¼- —
26-27%, bbls., same basis lb. .15¾- —
28-29%, bbls., same basis lb. .16¼- —
30-31%, bbls., same basis lb. .17¼- —
32-33%, bbls., same basis lb. .18½- —
34-35%, bbls., same basis lb. .19½- —
36-40%, bbls., same basis lb. .41¾- —
41-45%, bbls., same basis lb. .24½- —
46-50%, bbls., same basis lb. .26 - —
51-55%, bbls., same basis lb. .25¾- —
56-60%, bbls., same basis lb. .26¼- —
61-65%, bbls., same basis lb. .27¼- —
66-70%, bbls., same basis lb. .28½- —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Chromium oxide, hydrated, bbls., works lb. .75 - 1.00
pure bgs. frt. alld lb .33 .40
Dyes (see Dyes, coaltar).
Malachite, thioflavin toner, molybdic, bbls., works lb 3.00 - —
Tungstic, bbls. works lb 3.40 - —
Paris (see P).
Phthalocyanin toner bbls. works, lb 4.40 5.00
Green, tungstated, brilliant, kgs lb. 3.00 - 4.00
Emerald kgs lb 3.60 —
Grindelia robusta herb, bls lb. .24 .30
Guaiac resin, NF, cs lb. 60 - 65
ordinary, cs lb. 49 - .51
Wood bls lb. .35 .36
Guaiacol, cryst., tins lb No prices.
Liquid, NF, bots., cbys lb 1.90 - 3.95
Carbonate dms lb 2.95 - 3.00
Guarana powd., cs lb. 1.50 - 1.75
Gum, accroides (see Gum, yacca).
Aloe (see A.).
Ammoniac, tears, cs lb .90 - .95
Arabic, amber, sorts, bgs lb. .12 - .13½
powdered, USP, bbls lb. .20½- .21
Asafetida (see A).
Asphaltum (see A).
Benzoin, Sumatra, cs lb. .50 - .70
Camphor (see C).
Copal, Congo, No. 1, bgs lb. .25 - .26
No 2, bgs lb 20 - .21
No. 3, bgs lb. .17 - .18
Manila, tona, B, bgs lb. No prices.
C, bgs lb. .26 .27
CBB, bgs lb. .23 - .24
CNE, bgs. lb. No prices.
DBB, bgs. lb. .22 - .23
DK, bgs. lb. .13 - .14
dust, bgs. lb. No prices.
soft, MA, bgs lb. .15 - .16
WS, bgs lb. No prices.
Philippine, pale, chips, bgs lb. .21 - .22
nubs, bgs lb. .24 - .25
seeds, bgs lb. .15 - .16
sorts, bgs lb. .17 - .18
Pontianak, chips, bgs lb. .14 - .16
nubs, bgs lb. .25 - .27
Dammar, Batavia, A/D, bgs lb. .28 - .30
A/E, bgs lb. .23 - .24
dust, bgs lb. .12 - .13
E, bgs. lb. .12½- .13¼
East India, batu, bold, bgs lb. .09 - .10
nubs and chips, bgs lb. .06 - .07
black, bold, ogs lb. .11 - .12
unscraped, bgs lb. .09 - .10
nubs and chips, bgs lb. .09 - .10
pale, chips, ngs lb. .11 - .13
nubs, bgs. lb. .20 - .22
Singapore, No. 1, bgs lb. .28 - .30
No 2, bgs lb. .20 - .21
No. 3, bgs. lb. No prices.
dust, ngs. lb. .09 - .10
seeds, bgs. lb. .12½- .13¼
Elemi, cns. lb. .22 - .23
Ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va lb. .12 - 12¼
wood-rosin type, dms., c.l., dlvd, Ill., Ind., etc lb. .12 - .12¼

SURE RELIEF for shipping headaches

Pack your product in a Continental steel container

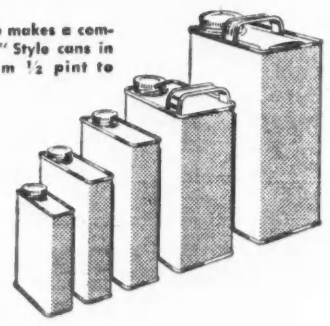
Shipping headaches go away fast when you come to Continental. We can supply you with just the right steel container for every chemical product from anti-freeze to adhesives.

Continental's rugged pails and drums are built to take it. They protect your products during every mile of travel, weather the roughest handling, and come up beaming sales appeal.

There's no question that it is sound salesmanship to put your trademark and sales message on the side of every pail and drum you ship—and the better the lithography, the better the salesmanship. Continental's master lithographers have the skill and experience to lithograph your steel containers in colors and designs that really sing. Another good sales idea is to standardize the labels of your entire line and give it a family appearance.

Why not check with Continental today and get all the facts about Continental steel containers?

Continental also makes a complete line of "F" Style cans in every size from ½ pint to one gallon.



CONTINENTAL CAN COMPANY

Eastern Division: 122 E. 42nd St., New York 17 Central Division: 135 So. La Salle St., Chicago 3 Pacific Division: Russ Building, San Francisco 4

Gum, euphorbium, cs.....lb. .35 - .40
Galbanum cs. .....lb. .75 - .80
Gamboge, pipe, cs.....lb. 1.00 - 1.05
powd., bbls. .....lb. 1.15 - 1.20
Ghatti, No. 2, bgs.....lb. .35 - .37
No. 3, bgs.....lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, powd., No. 1.....lb. .49 - .54
No. 2 .....lb. .45 - .46
No. 3 .....lb. .34 - .35
Kauri, bgs. .....lb. .31½ - .32¾
Locust bean, powd., bgs.....lb. .32 - .34
Mastic, cs. .....lb 2.25 - 2.50
Myrrh, cs. .....lb. .20 - .35
Olibanum, siftings, cs.....lb. .12 - .13
tears, cs. .....lb. .16 - .20
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks. .....lb. 1.95 - 2.25
Scammony, cs.....lb. 1.50 - 1.55
Sterculia (see Gum, karaya).
Talha, bgs. .....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 2.75 - 3.00
No. 2, cs.....lb. 2.50 - 2.75
No. 3, cs .....lb. 1.75 - 2.00
powdered, USP, bbls.....lb. 1.35 - 1.45
Yacca, bgs. .....lb. .05½ - .06½
Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt. equald ton.22.68 - —
Harlem river, N. Y., frt. equald ton.28.25 - —
Medicine Lodge, Kan., frt. equald. ton.17.00 - —
New Brighton, N. Y., frt. equald ton.20.65 - —
Southard, Okla., frt. equald. ton.17.00 - —
Sweetwater, Tex., frt. equald. ton.21.43 - —
Plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald. ton.12.50 - —
Blue Rapids, Kans., frt. equald. ton.10.50 - —
Harlem river, N. Y., frt. equald. ton.12.00 - —
Medicine Lodge, Kan., frt. equald. ton.12.50 - —
New Brighton, N. Y., frt equald ton.18.00 - —
Saltville, Va., frt. equald. ton. 9.00 - —
Southard, Okla., frt. equald. ton.12.50 - —
Sweetwater, Tex., frt. equald ton.12.50 - —
Stucco, paper bgs., Akron, N. Y., frt. equald ton. 8.00 - —
Blue Rapids, Kans., frt. equald ton. 8.00 - —
Clarence Center, N. Y., frt. equald. ton. 8.00 - —
Fort Dodge, Iowa, frt. equald ton. 8.00 - —
Gypsum, Ohio, frt. equald. ton. 8.00 - —
Grand Rapids, Mich., frt. equald ton. 8.00 - —
Harlem river, N. Y., frt. equald. ton. 8.00 - —
National City, Mich., frt. equald ton. 8.00 - —
New Brighton, N. Y., frt. equald ton. 8.00 - —
Plasterco, Ga., frt. equald. ton. 8.00 - —
Portsmouth, N. H., frt. equald ton. 8.00 - —
Roton, Texas, frt. equald. ton. 8.00 - —
Saltville, Va., frt. equald. ton. 9.00 - —
Southard, Okla., frt. equald. ton. 8.00 - —
Sweetwater, Texas, frt. equald ton 8.00 - —
Terra alba, paper bags, c.l., Harlem River, N. Y. works ton.22.50 - —
New Brighton, N. Y., works ton.21.00 - —

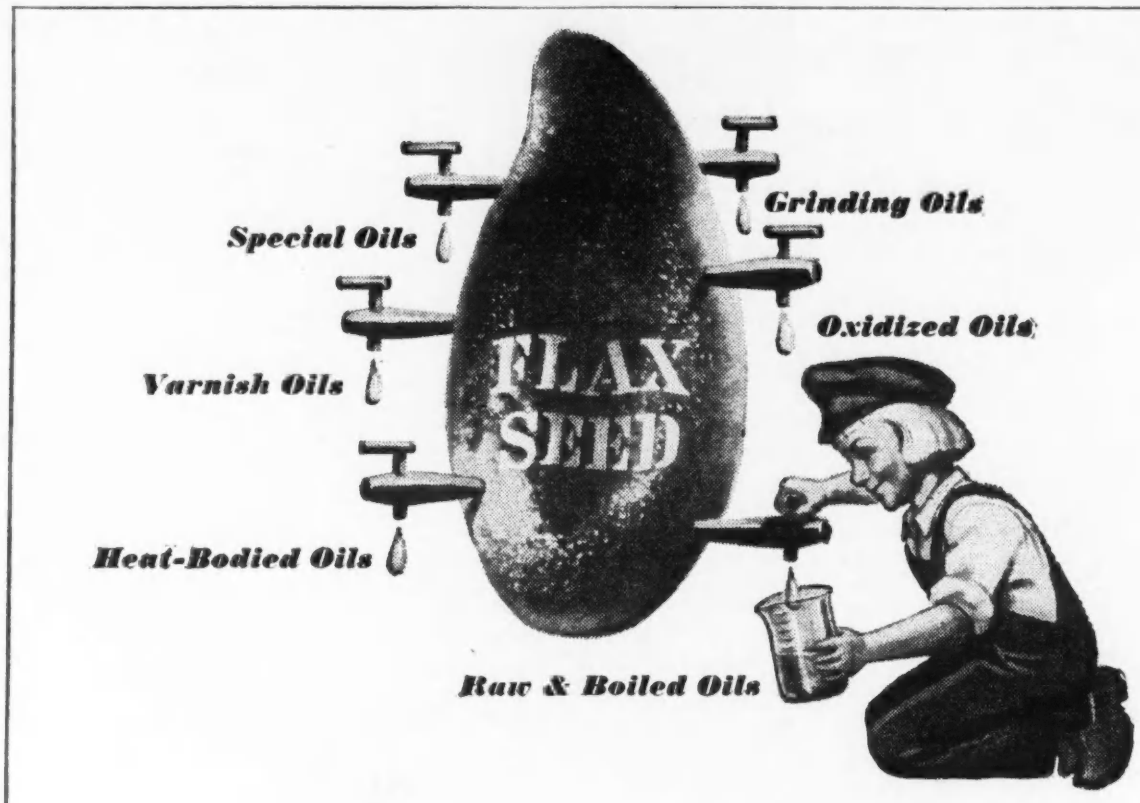
H

Hawthorn berries, bgs.....lb. .39 - .44
Heliotropin, cryst., cns.....lb. 3.00 - 3.25
Hellebore root, dom., green, bls.lb. .55 - .60
imp., black, whole, bls. .....lb. .20 - .25
ground, bxs. .....lb. .25 - .30
powder, bxs. .....lb. .27 - .32
white, whole, bls. .....lb. .30 - .40
powder, bxs. .....lb. .35 - .45
Helonias root, bls.....lb. 1.65 - 1.75
Hematine extract, cryst., No. 0, bbls., l.c.l lb. .45½ - —
No. 1, bbls., l.c.l.....lb. .44½ - —
No. 1A, bbls., l.c.l.....lb. .41½ - —
No. 2, bbls., l.c.l.....lb. .40½ - —
No. 3, bbls., l.c.l.....lb. .38½ - —
No. 4, bbls., l.c.l.....lb. .36½ - —
No. 5, bbls., l.c.l.....lb .34½ - —
paste, No. 1, bbls., l.c.l.....lb. .19 - —
No. 2, bbls., l.c.l.....lb. .18 - —
No. 3, bbls., l.c.l.....lb. .17 - —
No. 4, (red), bbls., l.c.l... lb. .12½ - —
Hemlock bark extract, 25% tannin, bbls., c.l., works lb. No stocks.
tanks, works .....lb. No stocks.
Henbane leaves, bls.....lb. .30 - .35
Henna leaves, bls .....lb. .22 - .25
powd., bbls., bgs.....lb. .27 - .29
Heptane, industrial, Bayonne, N. J., tanks gal. .16½ - —
group 3, tanks .....gal. .12½ - .13½
Hesperidin methylchalcone, works. lb.30.00 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs. c.l., Perth Amboy or N.Y.C. lb. .22 - —
l.c.l., same basis .....lb. .22½ - —
bbls., c.l., same basis.....lb. .24 - —
l.c.l., same basis .....lb. .24½ - —
USP, dms., 500 lbs. or more, same basis lb. .33½ - —
smaller lots, same basis lb. .39½ - —
Hexamine (see Hexamethylene tetramine)
Hexane, industrial, group 3, tanks. gal. .13½ - .14½
Bayonne, N. J., tanks .....gal. .16½ - —
Hexanol, normal, dms., c.l., works. lb. .30½ - —
l.c.l., works..... lb. .31 - —
tanks, works .....lb .29 - —
Hexyleneglycol, dms., c.l., dlvd..lb. .14½ - —
l.c.l., dlvd. .....lb. .15 - —
tanks, dlvd. .....lb. .12½ - —
Hexylmethacrylate, normal, dms., less than truckload, works. lb. .71 - —
Hexylresorcinol, USP, 50 lbs up, frt. alld lb.17.00 - —
works .....lb.15.00 -17.00
smaller lots, frt. alld.....lb 18.00 - —
works .....lb.18.00 -20.00
Histamine diphosphate, USP, bots kilo.375.00 - —
Histidine hydrochloride—laevo, NF, fib dms., 50 kilo lots, works kilo.100.00 -120.00
1-5 kilos, works .....kilo.110.00 -130.00
Homatropine hydrobromide, USP, bots oz.15.00 -16.00
Hydrochloride, bots .....oz.20.00 -22.00
Methylbromide, NF.....oz 13.00 -16.25

Hoofmeal, 17-18% ammonia bulk, c.l., Chicago unit-ton. 6.25 - —
Hops, NF, bls. .....lb .40 - .45
Horehound, herb, bls.....lb. .17 - .18
Hydrangea root, bls.....lb. .14 - .17
Hydrastine, bots. .....lb.31.00 -37.00
Hydrochloride, NF.....oz.29.50 -36.00
Sulphate, bots..... .....lb.35.00 -37.00
Hydrastinine, 10-grain bots.....bot. 1.93 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fin. crns., works lb. .30 - .40
Hydrogen peroxide, USP, bbls....lb. .03¾ - .05
27½%, cbys., E. of Miss.....lb. .17½ - .19½
35%, cbys., same basis.....lb. .23½ - .25½
dms., c.l., same basis.....lb. .20½ - —
l.c.l., same basis.....lb. .21 - .23½
tanks .....lb .19¾ - —
Hydrogen peroxide prices on W. Coast, 2c. per lb. higher.
Hydroquinone, photographic, bbls., dms lb. .90 - —
tech. dms. ..... lb .70 - —
Hydroxycitronellal, cns. .....lb. 7.30 - 8.05
Hyoscine salts (see Scopolamine)
Hyoscyamine, bots. .....oz.15.75 -16.00
Hydrobromide, bots. .....lb.16.50 -18.00
Sulphate, bots. .....oz.13.50 -14.00
Hypernic extract, cryst., No. 1, bbls., l.c.l lb. .58 - —
No. 2, bbls., l.c.l .....lb. .48 - —
liquid, No. 1, bbls., l.c.l.....lb. .30 - —
No. 2, bbls., l.c.l .....lb. .25 - —
solid, No. 1, bxs., l.c.l.....lb. .44 - —
Hyssop herb, bgs.....lb. .35 - .45
Leaves, bgs. .....lb. .45 - .50

I

Iceland moss, bgs.....lb. .35 - .40
Ichthammol, F, dms. .....lb. .60 - .75
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.18
synth., paste, bots.....lb. .23 - —
powd., bbls.....lb. 1.03 - —
Indol, CP, bots.....lb.17.00 -19.00
Inositol, dms., dlvd .....lb. 4.90 - —
tins, dlvd .....lb. 5.00 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs .....lb. 1.52 - —
resubl., USP., bots., jars.....lb. 2.30 - 2.41
Iodochlorohydroxyquinolin, NF, dms. lb 5.90 - —
Iodoform, NF, dms., kgs.....lb. 4.45 - 4.60
Ionone, alpha, cns.....lb. 5.55 -13.65
beta, cns. .....lb. 8.65 -10.00
Ipecac root, bgs.....lb. 4.10 - 4.50
powd., bgs. .....lb. 4.40 - 5.00
Irish moss bleached, prime bls. lb. .16 - .18
Iron acetate, liquor, 28° bbls., c.l., works lb. .09 - —
l.c.l., works .....lb. .09¾ - —
solut., USP IX, cbys.....lb. .16 - —
djns. .....lb. .17 - —
Cacodylate, NF, bots.....lb.13.50 -14.50
Chloride (ferric), anhydr., tech., dms., c.l., works.. 100 lbs 5.75 - —
l.c.l., works .....100 lbs. 6.50 - 7.50
cryst., tech., c.l., bbls., works. 100 lbs 5.00 - 6.00
l.c.l., bbls., works 100 lbs 5.50 - 6.00
USP, dms., works.....lb. .07 - .08½
solut., 42° Be, 100% basis, tanks, works 100 lbs. 3.45 - —
Citrate, gran., dms.....lb. .77 - .80
Gluconate, NF, dms.....lb. .83 - .95
Glycerophosphate, N.F., powd lb 4.25 - 4.35
Hypophosphite, NF, dms..... lb 2.80 - —
Iodide, bgs .....lb. 3.66 - 3.75
Naphthenate, liq., 6% Fe, dms., frt. alld lb. .21¼ - 21¾
Oxalate, gran., dms.....lb. .83 - .85
Iron phosphate, soluble, NF, gran., cs .lb. .64 - .68
Pyrophosphate, soluble, NF VII, gran., dms lb. 69 - .77
Reduced (see Iron by hydrogen).
Resinate, 7.4% Fe, dms, frt. alld. lb. .23 - —
Stearate, dms., c.l..... lb 34 - —
ton lots ..... lb 35 - —
less ton lots .....lb 36 - —
Sulphate, partially hydrated, bgs., c.l., works..ton.28.50 - —
l.c.l., works .....ton.29.50 - —
ferrous, tech. (see Copperas)
USP, cryst., bbls, dms ... lb .09½ - .10
Iron by hydrogen kgs lb. .80 - .88
Iron-ammonium citrate, green, NF, gran., dms lb .55 - .58
brown, USP gran., dms .. lb .55 - .58
Oxalate, dms ..... lb. .25½ - .28½
Iron-potassium oxalate fine gran., dms. ..... lb. .30½ - .33½
Iron-sodium oxalate, fine gran., dms lb. .25½ - .28½
Isoborneol, cns. ..... lb. .84 - .98
Isobornyl acetate, cns.....lb. .77 - .97
Isobutyl acetate, cns.....lb. .72 - 1.25
Methacrylate, dms., works.....lb. .60 - —
Propionate cns .....lb. No prices.
Isobutyraldehyde dms., works..lb. .50 - .53
Isoeugenol, cns. .....lb. 3.15 - 3.70
Isoleucine, dextro-laevo, with allo-isoleucine, dms., works lb.2.00 -35.00
Isopentane, dms. works ..... lb. .45 - .50
Isophorone, dms., c.l., works..lb. .22½ - —
l.c.l., works .....lb. .23 - —
tanks, works .....lb. .21 - —



Out of One...Many

Out of one seed flow the many linseed oils demanded by industry . . . but to produce these oils it takes an organization with *both* the *"know-how"* and the necessary facilities.

It takes "Know-How." You can't give an oil the right combination of drying rate, acid number, color, viscosity and other specified properties without "know-how" based on long and practical experience. That's why it's important for you to know that National Lead is one of the oldest producers and refiners of linseed oil in the business . . . manned by personnel with generations of oil in their veins.

It takes Modern Facilities. National Lead's facilities include a large, new linseed oil plant at Minneapolis . . . one of the most modern in existence. Employing the efficient solvent extraction process, it keeps top-grade raw oil flowing to our refineries. Here, by advanced methods, this oil is processed into boiled, oxidized and heat-bodied oils . . . varnish oils . . . grinding oils and other special types.

For oils right on every count, in any amount, remember National Lead . . . a National *leader* in oils.

• • •

National Lead Company: *New York 6; Buffalo 3; Chicago 8; Cincinnati 3; Cleveland 13; Pittsburgh 12; St. Louis 1; San Francisco 10; Boston 6 (National Lead Company of Mass.); Philadelphia 25 (John T. Lewis & Bros. Company).*

NATIONAL LEAD COMPANY

One of the Oldest Names in **OILS**

Isopropanol—Logwood Extract

Isopropanol (see Alcohol, Isopropyl).
Isopropyl acetate, dms., c.l., frt. alld. lb. .10¾- —
l.c.l., same basis lb. .11½- —
tanks, same basis lb. .09 - —
Alcohol (see Alcohol, Isopropyl).
Benzene (see Cumene).
Ether (see Ether, Isopropyl).
Isopropylamine (see Monoisopropylamine).
Isoquinoline, dms., c.l., works lb. .20 - —
l.c.l., works lb. .40 - —

J

Jaborandi leaves, bls lb. .15 - .20
Jalap root, NF, bls lb. .43 - .45
powd., bbls., bxs lb. .48 - .50
Resin, NF, powd., bxs lb. 6.20 - 6.60
Juniper berries, bgs lb. .08 - .12
Tar, dms. lb. .40 - .65

K

Kamala, powd., cns lb. .60 - .65
Kaolin (see China clay).
Kava kava root, bls lb. .25 - .30
Kerosene, at refinery, Ark., 42-44 specific gravity, w.w., tanks gal. .08625- —
Bayonne, 41-43 s.g., w.w., tanks, gal. .092 - —
California, 40-43 s.g., w.w., tanks gal. .121 - .126
Kerosene, at ref'y, Gulf ports, 41-43 s.g., w.w., tanks gal. .086 - .0925
Okla.-Tex., 41-43, s.g. w.w. tanks, gal. .085 - .09
Penn., Western, 45 s.g., w.w., tanks gal. .0975- .10
Kola nuts, ngs lb. .08 - .10
Kyanite, imp., low iron content, 10-mesh, whse ton.85.00 -85.00
calcined, grain, 10-mesh, whse ton.95.00 -105.00

L

Lady slipper root, bls. lb. 1.45 - 1.50
Lanolin, anhyd., cosmetic, dms., works lb. .30 - .32
pharmaceutical, USP, dms., works lb. .28 - .31
hydrous lb. .27 - .29
Lard, cash, trcs., Chicago lb. .1325- —
Larkspur seed, bgs lb. .20 - .25
Laurel berries, bls lb. .25 .26
Leaves, Greek, bls lb. .08 - .08½
Turkish, bls. lb. .11 - .11½
Yugoslavian, bls. lb. .08½- .09
Lauryl methacrylate, normal, dms., less than truckload, works lb. 1.00 - —
Lavender flowers, medium, bls lb. .55 .60
ordinary, bls. lb. .16 - .20
select, bls lb. .60 .65
Lead acetate, white, crystals, bbls., lb. .19 - —
gran., bbls. lb. .19¾- —
powd., bbls. lb. .19¾- —
Lead acetate, USP, cryst., dms. lb. .21 - —
gran., powd., dms lb. .21¾- —
Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l., frt. alld. on 96 lbs. or over lb. .25 - —
l.c.l., frt. alld lb. .26 - .27
1-lb. bgs., c.l., frt. alld. lb. .37½- —
l.c.l., frt. alld lb. .38½- .39½
Lead arsenate prices are works or whse. basis frt. alld. on purchases totaling $75.00 or more to dest. East.
Blue, basic sulphate, bbls., c.l., ship't point, frt. alld. lb. .12½- —
l.c.l., works lb. .13½- —
Carbonate (see Lead, white).
Chloride, dms. lb. .39 - —
Iodide, NF V, jars lb. 3.30 - —
Linoleate, liq., 13% Pb, dms., frt. alld lb. .29¼- —
Metal, pigs, prime, N. Y. lb. .1200- —
St. Louis lb. .1180- —
Metallic paste, dms., 20,000-40,000 lbs., works lb. .27½- —
10,000-20,000 lbs., same basis lb. .28 - —
2,000-10,000 lbs., same basis lb. .28½- —
200 to 2,000 lbs., same basis lb. .29 - —
Prices ex whse., Jersey City, N. J., 4½c. per pound higher.
Naphthenate, liquid, 16% Pb, dms., dlvd lb. .15 - —
24% Pb, dms., dlvd lb. .20¼- —
37% Pb, dms., dlvd lb. .26½- —
Nitrate, bbls., c.l. lb. .19 - —
l.c.l. lb. .19¼- —
Oleate, fused, bbls lb. .24 - —
Orthosilicate gel, 50% PbO, dms., works lb. .29½- —
60% PbO, dms., works lb. .28 - —
Peroxide, powd., tech., bbls lb. .38 - .39
Lead phthalate, dibasic, dms., works, lb. .37½- —
Red, 95% Pb_3O_4, or less, bbls., c.l., ship't point, frt. alld. lb. .14¾- —
l.c.l., same basis lb. .15¾- —
97% Pb_3O_4, bbls., c.l., same basis lb. .15 - —
l.c.l., same basis lb. .16 - —
98% Pb_3O_4, bbls., c.l., same basis lb. .15¼- —
l.c.l., same basis lb. .16¼- —
Resinate, precip., dms., dlvd lb. .25½- —
Salicylate, normal, dms., works, lb. .41¾- —
Silicate, bgs., l.c.l., ship't pt., frt. alld. lb. .14¾- —
Stearate, dibasic, dms., works lb. .50¼- —
precip., bbls., c.l. lb. .36 - —
ton lots lb. .37 - —
less ton lots lb. .38 - —
Sulphate (see Lead, blue; Lead, white, basic sulphate).
tribasic, dms., works lb. .24¼- —
Tallate, liquid, 16% Pb, dms. lb. .12½- —
solid, 30% Pb, dms lb. .19¼- —
White, basic carbonate, bgs., c.l., ship't point, frt. alld. lb. .14¾- —
l.c.l., same basis lb. .15¾- —
basic silicate, bgs., c.l., ship't point, frt. alld. lb. .13¾- .16¼
l.c.l., same basis lb. .14¾- .17¼
basic sulphate, bgs., c.l., ship't point, frt. alld. lb. .13¼- —
l.c.l., same basis lb. .14¼- —
Lecithin, edible, tech., bleached dms., non-ret., c.l., works lb. .13½- —
l.c.l., same basis lb. .16½- —
unbleached, c.l., same basis lb. .12½- —
l.c.l., same basis lb. .15½- —
Lemon peel, bls lb. .18 - .20
Leucine, dextro-laevo, dms., works lb. 26.00 -35.00
Licorice extract, mass, cns lb. .40 - .45
powd., bbls. lb. .55 - —
Root, bls lb. .08 - .09
5-lb. bundles, cs lb. .40 - .45
powd., bbls lb. .11 - .12
Lignin extract, tanning grade, bgs., c.l., works lb. .05¼- .06¼
Lime, agricultural, bgs., works ton.13.00 -13.50
Chemical quicklime), lump, pebble, bulk, Adams, Mass. ton 10.00 - —
Annville, Pa. ton.10.50 - —
Bellefonte, Pa. ton.10.50 - —
Buffalo N. Y. ton.10.00 - —
Carey, Ohio ton. 7.00 - —
Cedar Hallow, Pa. ton.10.50 - —
Farnams, Mass. ton.14.00 - —
Gibsonburg, Ohio. ton. 8.50 - —
Hannibal, Mo. ton. 7.50 - —
Keystone, Ala. ton. 9.75 - —
Knoxville, Tenn. ton. 9.75 - —
Limedale, Ark. ton. 9.00 - —
Longview, Ala. ton. 9.75 - —
Martinsburg, W. Va. ton.10.00 - —
Menominee, Mich. ton. 8.00 - —
Mitchell, Ind. ton. 7.50 - —
Rockland, Maine ton. 9.00 - —
Scioto, Ohio ton. 7.50 - —
Sherwood, Tenn. ton.10.00 - —
Sherwood, Wis. ton. 8.50 - —
Woodville, Ohio ton. 9.50 - —
York, Pa ton.10.50 - —
Hydrated, paper bgs., Adams, Mass ton.11.50 - —
Annville, Pa ton.13.50 - —
Bellefonte, Pa. ton.13.50 - —
Buffalo, N. Y. ton.13.50 - —
Carey, Ohio ton 9.00 - —
Cedar Hollow, Pa. ton.13.50 - —
Engle, W Va. ton.13.00 - —
Farnams, Mass. ton.14.00 - —
Gibsonburg, Ohio. ton 9.50 - —
Hannibal, Mo. ton. 9.50 - —
Keystone, Ala. ton.13.00 - —
Knoxville, Tenn. ton.12 25 - —
Limedale, Ark. ton.10.50 - —
Longview Ala. ton.13.00 - —
Manistique, Mich. ton. 9.50 - —
Marblehead, Ohio. ton.10.50 - —
Mitchell, Ind. ton.10.00 - —
Petoskey, Mich ton 10.00 - —
Port Island, Mich. ton. 9.00 - —
Rapid City, S. Dak. ton.12.00 - —
Rockland, Maine ton 9.00 - —
Scioto, Ohio ton. 9.00 - —
Sherwood, Tenn. ton.13.00 - —
Sherwood, Wis. ton.10.00 - —
Springfield, Mo. ton. 9.00 - —
Woodyville, Ohio ton 8.50 - —
York, Pa ton 13.50 - —
Spray, paper bgs., Adams, Mass. ton.11.70 - —
Annville, Pa ton.13 50 - —
Bellefonte, Pa. ton.13.50 - —
Carey, Ohio ton.11.00 - —
Engle, W Va. ton.13.00 - —
Farnams, Mass. ton.14.00 - —
Gibsonburg, Ohio ton.10.00 - —
Marblehead, Ohio ton.10.00 - —
Rockland, Me. ton.10.00 - —
Scioto, Ohio ton.10.00 - —
Woodville, Ohio ton.10.00 - —
York, Pa ton.13.50 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).
Limestone, grd., bgs., works ton 3.50 - 4.00
Linalool, ex bois de rose lb. 5.45 - 5.90
ex lignaloe wood lb. 6.50 - 7.10
Linalyl acetate, 90-92%, bots. lb. 5.50 - 6.00
96-98%, bots. lb. 6.35 - 7.25
ex petitgrain, bots lb. 4.25 - 6.00
Lindane, 25%, cns., works lb. 3.00 - 3.05
dms., works. lb. 2.95 - —
Linden flowers with leaves, bls. lb. .22 - 25
without leaves, bls lb. 22 - .28
Linseed meal, expeller, 34% bulk, Midwest mills ton.64.50 - —
extracted, 34%, same basis ton.62.50 - —
Litharge, com'l, powd., bbls., c.l., ship't point, frt. alld. lb. .13¾- —
l.c.l., same basis lb. .14¾- —
Lithium benzoate, dms lb. 1.67 - —
Bromide, NF, bbls., works, frt. equald. lb. 1.90 - —
Carbonate, NF, bbls., kgs lb. 1.05 - 1.15
Chloride, cryst., dms lb. .93 - —
Citrate, NF, bbls., dms., kgs. lb. 1.05 - 1.40
Fluoride, bbls lb. 1.80 - 2.00
Hydride, dms., works lb.14.00 -18.50
Hydroxide, monohydrate, dms. lb. .90 - 1.25
Salicylate, dms lb. 1.62 - 1.70
Lithopone, ordinary, bgs., c.l., dlvd. lb. .06½- —
l.c.l., dlvd. lb. .07¼- .07¼
Titanated (high-strength), bgs., c.l., dlvd. lb. .08½- —
l.c.l., dlvd. lb. .09½- —
Lithopone prices, Pacific Coast, 1c. per lb. higher.
Liverwort leaves, bls lb. .70 - .75
Lobelia herb, bls lb. .80 - .85
leaves, NF lb. .85 - 90
Lobeline sulphate, bots., works oz.34.00 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l. lb. .38½- —
No. 2, bbls., l.c.l. lb. .36½- —
liquid, No. 1, bbls., l.c.l. lb. .18½- —
No. 2, bbls., l.c.l. lb. .17½- —
No. 3, bbls., l.c.l. lb. .17 - —
No. 4, bbls., l.c.l. lb. .16½- —

Non-Penetrating Pure Alkyd for One-Coat Flat Paints Announced by U.S.I.

AROFLAT 3025-P40, Designed to Replace Conventional Flat Paint Vehicles, Provides Outstanding Brushing Ease, Scrubability, Color Retention, Hold-Out, Flexibility, and Film Toughness

A new, non-penetrating, pure alkyd resin vehicle for one-coat flat paints, AROFLAT 3025-P40, is now in production at U.S.I. In the past, many paint manufacturers have relied on limed or calcicoater vehicles to impart non-penetrating properties to their flat paints. Paints made with these vehicles, however, have the disadvantages of unpleasant odor, lack of film toughness, inferior color retention, and poor wet scrub resistance.

The new AROFLAT 3025-P (40% solids in petroleum spirits) equals limed or calcicoater vehicles in providing non-penetration, yet has none of their disadvantages. It gives outstanding color retention, hold-out, leveling, brushing ease, flexibility, fast drying, scrubability, film toughness, pigment suspension, pigment wetting and stability.

A special penetration test, employed extensively by U.S.I.'s resin laboratories, has been conducted to compare paints based solely on AROFLAT 3025-P with a large number of commercial flat paints now on the market. The illustrations show eight of these commercial products, demonstrating the range of non-penetration from good to poor. The test measures penetration in terms of time required for a specified quantity of paint placed on a blotter to show through as a stain on the reverse side. The flat paint made with AROFLAT 3025-P shows no penetration up to 2 hours after application as compared to considerably less time for one made with AROFLAT 3010, which was designed for multiple coat systems. Of the eight commercial flat paints in the test, two withstood penetration for 2 hours and two others for 1½ hours while the four remaining paints ranged from 3 minutes to 8 minutes in penetration time. Practical brush applications on unprimed surfaces have been found to give good correlation with this laboratory test method.

FIGURE I is an unretouched photograph taken 3 hours after application of the first paint—AROFLAT 3025-P in the upper left-hand corner. There was an elapsed time of 1 hour from the time this paint was applied until the final spot was applied in the lower right hand corner; therefore the photograph actually shows the penetration of flat paint based on AROFLAT 3025 at 3 hours, as compared to only 2 hours for the paint which was the last to be applied.

FIGURE II is an unretouched photograph of the reverse side of FIGURE I, illustrating the degree of penetration three hours after application of the first paint. The diameter of the stain measures severity of penetration and only one commercial product equals the AROFLAT 3025 type paint in this regard.

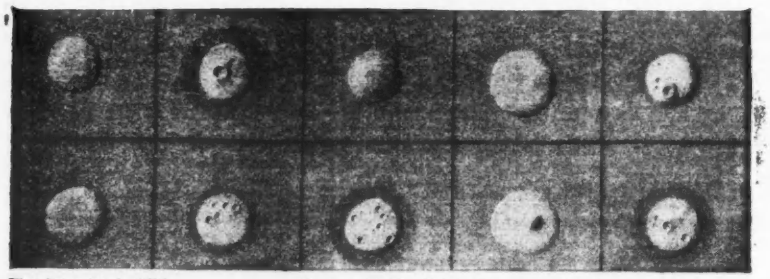
Those paints which equaled or approached the AROFLAT 3025-P paint in non-penetration were found to be markedly inferior in wet scrub resistance, ranging from 1,000 to 1,500 scrub cycles on the Gardner Wet Scrub Machine, using a 2% Kirkman soap powder solution, as compared to over 5,000 cycles for the paints based on AROFLAT 3025-P and 3010-M. In this test, resistance is measured in terms of the number of cycles required to reach the first film break-through. In addition to their lack of scrub resistance, these paints were found to be inferior in color retention, odor, adhesion, and drying properties, to those made with either AROFLAT 3025-P40 or AROFLAT 3010-M65 resin.

AROFLAT 3025-P will be available in odorless-type solvent for limited-size orders, but not for samples, dependent upon the relationship of supply of this type of solvent to the demands of the industry. This is the first time that a pure alkyd vehicle for flat wall paint has been offered in the odorless type solvent. For further information, write

U. S. INDUSTRIAL CHEMICALS, INC.
60 East 42nd Street, New York 17, N. Y.
Branches in all principal cities

FIGURE I — U.S.I. Laboratory Penetration Test of Paints Based on AROFLAT vs. Commercial Flat Paint Products

Flat Paint Made With AROFLAT 3025-P40 — Commercial Flat Paints Now on the Market



Flat Paint Made With AROFLAT 3010-M65 — Commercial Flat Paints Now on the Market

FIGURE II — Test Made on Parker's Commercial Blotter

Flat Paint Made With AROFLAT 3025-P40 — Commercial Flat Paints Now on the Market

Flat Paint Made With AROFLAT 3010-M65 — Commercial Flat Paints Now on the Market

buy RO-10!

...says Mr. fatty acid

HERE'S news that should send any alkyd manufacturer running to the nearest teletype. On today's market, you can buy ADM's RO-10 Soya Fatty Acids considerably below whole oil. *As a result you can produce RO-10 alkyds for less than comparable whole oil alkyds.*

In addition, RO-10 Acids allow a wider choice of raw materials . . . simplify processing . . . assure a higher quality, more uniform product. Fast direct esterification increases kettle output. RO-10 Acids are made from recovered soybean oil . . . by *distillation* . . . and are remarkably free from the metallic soaps, hydroxy acids, aldehydes and other impurities often found in split acids.

You can order RO-10 or any other ADM vegetable fatty acids in combination with oils of any kind, in truckload, carload or tank car lots. That means nice *extra* savings!

Familiarize yourself with the chart at right. Then mail the coupon at the right, for samples and technical bulletins.

SPECIFICATIONS

Acid No.	195-205
Saponification No.	198-207
Iodine No. (Wijs)	125 Minimum
Color (Gardner)	6 Maximum
Wt. per gal.	7.52 lbs.

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ADM fatty ACIDS

You can always follow the market with the broad line of

ADM VEGETABLE FATTY ACIDS

FATTY ACID TYPE AND GRADE	PROTECTIVE COATINGS	SYNTHETIC RESINS	INKS	PUTTY AND CAULKING COMPOUNDS	METALLIC SOAPS	LIQUID SOAPS	WAXES AND POLISHES	INSECTICIDES AND DISINFECTANTS	LUBRICATING GREASES	COSMETICS	PHARMACEUTICAL
LINSEED											
Water White	X	X	X								
Regular	X	X	X	X	X	X		X			
SM-500	X	X	X	X	X	X		X			
SM-600	X	X	X	X	X	X		X			
Essential Unsaturated Free Fatty Acids											X
SOYA											
Water White	X	X	X								
Regular	X	X	X		X	X		X			
RO-4	X	X	X		X	X		X			
RO-10	X	X	X	X	X	X	X	X	X		
RO-11S	X	X	X		X			X			
CORN-SOYA Double-Distilled				X		X	X	X	X		
CORN Double-Distilled				X		X	X	X	X		
COTTONSEED Double-Distilled		X			X		X	X	X		
COCONUT Double-Distilled		X				X		X		X	

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- ☐ TECHNICAL BULLETIN 78, RO-10 SOYA FATTY ACIDS
- ☐ SAMPLES OF RO-10 SOYA FATTY ACIDS
- ☐ TECHNICAL BULLETIN 79, ALKYDS FROM FATTY ACIDS

NAME _____

COMPANY _____

ADDRESS _____

CITY _____ ZONE ____ STATE _____

Logwood Extract, Solid—Methylamyl Ketone

Logwood extract, solid, No. 1, bxs., l.c.l. lb. .33 - —
No. 2, bxs., l.c.l. lb. .31 - —
No. 3, bxs., l.c.l. lb. .28½- —
No. 4, bxs., l.c.l. lb. .28 - —
No. 5, bxs., l.c.l. lb. .26½- —
No. 6, bxs., l.c.l. lb. 44½- .49⅛
Lovage root, imported, bls. lb. 1.00 - 1.10
Lupulin, tins lb 1.95 2.00
Lycopodium, cs. lb. 1.20 - 1.50
Lysine hydrocnioride, dextro-laevo. kilo. 145.00 -149.00

M

Mace, Amboyna, bls. lb. .73 - .74
Banda, No 1, bls. lb 1.05 Nom.
Siauw, No. 1, bls. lb. .90 - .95
West Indian, bls. lb. .87 - .88
broken, bls lb. .75 - 76
Madder Dutch bgs lb. .29 - 32
Magnesia, calcined, tech., ctns., works lb. .32 - —
synth., rubber grade, ctns., works lb. .29 - .31
USP, light ctns lb. .34 - —
heavy, bbls lb. .36 - —
Magnesium arsenate, bgs., cans, works lb. .20 - .30
Bromide, jars lb. .90 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .09 - —
l.c.l., frt. alld. lb. .10 - —
bbls., c.l., frt. equald lb. .10¼- —
l.c.l., frt. alld. lb. .11¼- —
kgs., c.l., frt. equald lb .11½- —
l.c.l., frt. alld. lb. .12½- —
USP, bgs., c.l., frt. equald lb. .10¾- —
l.c.l., frt. alld. lb .11¾- —
Magnesium carbonate, USP, bbls., c.l., frt. equald lb. .11¼- —
l.c.l., frt. alld lb. .12¼- —
kgs., c.l., frt. equald lb. .12½- —
l.c.l., frt alld lb. .13½- —

Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila county, Pa. Frt. equald. with N Y C. on all other destinations.

Chloride, anhyd., dms., works lb .12¼- —
flake, bbls., c.l., works ton. 45.00 - —
l.c.l., works ton. 49.00 -51.00
Gluconate, dms., cns lb. 1.88 - 1.93
Glyceropnospnate dms. works lb. 4.85 - 4.95
Hydroxide, NF, medicinal, bbls., dms., kgs lb. .29 - .30
Hypophosphite, dms. lb. 1.60 - —
Laurate, bbls lb. .46 - .47
Metal, 99.8% ingots, cs., works lb. .20½- —
sticks, cs., works lb. .34 - .38
Oleate, fused, bbls lb. .31 - —
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works lb. .09 - .10
Stearate, ctns., c.l. lb. .35 - —
smaller lots lb. .36 - .37
Sulphate (see Epsom salt).
Trisilicate, USP, dms., 1,000-lb. lots lb. .43 - —
100-lb. lots lb. .50 - —
Magnesite, chemical grade, bgs., c.l., mines, Calif ton. 67.50 - —
dead-burnt, bulk, c.l., standard grain, Chewalah, Wash. ton. 33.00 - —
Maleic anhydride, dms., c.l., dlvd., lb. .20 - —
l.c.l., dlvd. lb. .21 - —

Prices on maleic anhydride West of Rockies 1½c. higher.

Malva flowers, black, bls. lb. 1.00 - 1.25
Blue, bls. lb. .95 - 1.10
Leaves, bls. lb. .30 - .35
Mandrake root, bls lb. .36 - .40
Manganese acetate, bbls. lb. .32 - —
Arsenate, bgs. lb. .12 - .12½
Borate, tecn., bbls. lb. .23 - —
Carbonate, bbls., works lb. .21 - —
Chloride, anhyd., dms., works lb. .20 - .22
Dioxide, African, battery, 84-87%, bgs., 100 tons, works ton. 78.00 - —
smaller lots, works ton. 74.00 -94.00
Gluconate, dms., cns lb. 1.86 - 1.93
Glycerophosphate, NF, fib. dms lb. 4.15 - 4.25
Hydrate, bbls., works lb. .34 - —
Hypophosphite, NF, dms lb. 2.00 - —
Linoleate, liquid, 4.35% Mn, dms. lb. .39¼- —
solid, precip., 8.2% Mn, bbls., lb. .41½- —
Metal, cs., dlvd. East lb. .30 - .32
Naphthenate, liquid, 6% Mn, dms., frt. aud. lb. .22¾ - .23¼
Oleate, precip, bbls lb. .33½- —
Resinate, fused, 3½% Mn, dms. precip., dms lb. .21½- —
Stearate, ctns., c.l. lb. .35 - —
smaller lots lb. .36 - .37
Sulphate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E. ton. 66.00 - —
l.c.l., dlvd. S. E. ton. 73.00 - —
feed grade, 80%, bgs., dlvd., S. E. lb. .05¼- .07
75%, bgs., c.l., dlvd. S. E. ton. 76.00 - —
l.c.l., dlvd. S. E. ton. 83.00 - —
Tallate, liquid, 4% Mn, dms. lb. No prices.
solid, 8% Mn, dms. lb. No prices.
Mangrove bark, E. Africa, 35% tannin, c.l., ex dock ton. No stocks.
So. American, 30-32% tannin, c.l., ex dock ton. 60.00 -61.00
Manna, flake, large, cs. lb. 1.10 - 1.35
small, cs. lb. .85 - 1.00
Mannitol, com'l, dms., works lb. .40 - .43
reagent, 50-lb. dms., works lb. .85 - —
Marjoram, Argentine, bls. lb. .14 Nom.
Bohemian, bls. lb. .34 - .34½
Chilean, bls. lb. .34 - .34½
French, bls. lb. .45 - .46
Peruvian, bls. lb. .38 - .39
Matico leaves, bls lb. .25 - .33
Melamine, bgs., ton lots, works lb. .33 - —
500 lbs. or more, works lb. .33½- —
less 500 lbs., works lb. .38½- —
Menadione, USP, bots gram. .06½- —
Menthol, natural, USP, bots lb. 11.40 -11.50
synthetic, USP, racemic, cns lb. 7.25 Nom.
Menthyl salicylate, tins lb. 4.00 - 4.25
Mercaptobenzo thiazole, bgs., fib. dms., ton lots, works, frt. alld lb. .30 - —
less ton lots, same basis lb. .32 - —
Mercaptobenzothiazyldisulphide, bgs., fib. dms., ton lots, works, frt. alld lb. .38 - —
less ton lots, same basis lb. .40 - —
Mercury, ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, dms. lb. 2.13 - 2.15
Chloride (see Calomel).
Cyanide, NF, cryst., powd., fib. dms. lb. 3.27 - 3.32
Iodide, red, NF, dms lb. 4.07 - —
yellow, NF, fib. dms lb. 4.22 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate).
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms. lb. 2.44 2.46
Mesityl oxide, dms., c.l., dlvd. lb. .13¼- —
l.c.l., dlvd. lb. .14 - —
tanks, dlvd lb. .11½ —
Metaldehyde, dms., works lb. .78 - 1.00
Metachloraniiin, dms., works lb. .75 - —
Metacresol, 98%, dms., c.l., works lb. .55 - —
l.c.l., works lb. .56 - —
Metaparaisopropyiphenol, dms., c.l. lb. .21 - —
l.c.l. lb. .22 - —
tanks lb. .20 - —
Metanitroparatoluidin, bbls lb. 1.28 - —
Metaphenyleneaiamine, kgs lb. .6 - —
Metatoluidine, bbls, works lb. .80 - —
Metatolyleneaiamine kgs lb. .83 —
Methanol, natural, denaturing grade, dms., c.l., frt. alld. gal. .68 - —
l.c.l., frt. alld gal. .79 - —
tanks, frt. alld gal. .60 - —

Prices on natural methanol W. of Miss. 3c. higher.

synthetic, zone 1, dms., c.l., frt. alld gal. .38 - —
l.c.l., frt. alld gal. .41 - —
tanks, frt. alld gal. .26 - —
zone 2, dms., c.l., frt. alld. gal. .43½- .45
l.c.l., ex whse gal. .47½ —
tanks, frt. alld gal. .29½ .31

Synthetic methanol zones are: Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.

Methenamine (see Hexamethylenetetramine).
Methionine, dextro-laevo, fib. dms., frt. alld., 50-lb. or more lb. 4.55 - —
feed grade, 98%, same basis. lb. 3.00 - —
97%, same basis lb. 2.97 - —
Methoxychlor, 50% sol., dealers, dms., cs., works lb. .65 - —
Methyl abietate, non-ret. dms., c.l., dlvd., zone 1 lb. .17 —
l.c.l., same basis lb. .17½- —
hydrogenated, non-ret. dms., c.l., dlvd., zone 1 lb. .17¼- —
l.c.l., same basis lb .17¾ —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

Acetoacetate, dms., c.l., dlvd. lb. .53 - —
l.c.l., dlvd lb. .54 —
tanks, dlvd lb. .51½- —

Methyl acetoacetate prices frt. alld. W. ½c. higher.

Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld gal. .60 - —
l.c.l., same basis gal. 71 —

Natural methyl acetone group A prices W. of Miss. 3c. per gal higher.

Group B dms., incl., E. Miss., frt. alld., any quantity gal. .50 - —
synthetic, dms., c.l., works, frt. alld. E gal. .53 - —
frt. alld. W gal. .57 - —
l.c.l., works, frt. alld. E gal. .56½- —
frt. alld W gal. .60½- —
tanks, works, frt. alld. E gal. .43½- —
frt. alld W gal. .47 —

Methyl acetone, synth., East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.

Acrylate, dms., c.l., and truckload, works lb. .50 - —
less than truckload, works lb. .50½- —
Alcohol (see Methanol)
Anthranilate, cns., 100 lbs. or more lb. 2.10 - 2.90
extra cns. lb. 4.00 - 4.40
Benzoate, cns lb. .55 - 1.20
Bromide, dealers, cns lb. .69 - .71
cyls. lb. .60 78
Chloride, indust., cyl., works lb. .18 - —
tanks, multi-unit, works lb. .13½- —
single-unit works lb. .11 - —
refrigerator mfrs. cyls., dlvd. lb. .39 - .48
other consumers or service men, cyls., dlvd. lb. .49 - —
Cinnamate, cns. lb. 1.43 - 1.75
Cyclohexanol, dms., c.l., works lb. .25½- —
l.c.l., works lb. .26½- —
tanks, works lb. .24½- —
Formate, refd., dms lb. .35 40
tech., non-ret. dms., any quantity, works lb. .08 —
tanks, works lb. .07 —
Iodide, bots., works lb. 3.65 - 4.75
cbys., works lb. 2.80 - 3.00
Lactate, dms. l.c.l., works lb. .35 —
Methacrylate, dms., c.l. and truckload, works lb. .44½- —
less than truckload, works lb. .45 - —
Parahydroxybenzoate, USP, bots. lb. 2.10 2.20
fib. dms. lb. 1.90 2.00
Roseanilin chloride, USP, bots. lb. 5.17 - 5.27
Salicylate, USP, dms., 500 lbs lb. .42 - —
cans, 25-50 lbs lb. .47 - .50
Testosterone, USP, 100 gms gm. 3.50 —
Methylheptin carbonate, bots lb. 35.00 -58.00
Methylal, refined, 95%, dms., c.l., works lb. .11 - —
l.c.l., works lb. .12 - —
tanks, works lb. .09 - —
Methylamyl acetate, dms., c.l., dlvd. lb. .13¼- —
l.c.l., dlvd lb. .14¼- —
tanks, dlvd. lb. .11 - —
Ketone, dms., works lb. .95 - —

NEW Solvent Characteristics Chart for Lacquer and Paint Men!

Essential solvent data in handy chart form for your desk file or plant notebook. Opens to double-page size without being removed from binder. Reverse side presents graphical relationships of solvent properties. You'll USE this chart! Write for your copy.

Get higher solids concentrations, while retaining workable viscosities, with Ketone Solvents. They help you meet the trend towards high solids lacquers that reduce both material and application costs at the spray booth.

Have you heard the *full story* on the cost-cutting advantages of Ketone Solvents? Call your Shell Chemical Representative and have him point out factors that will enable you to profit by the competitive advantage of Ketone formulations.

SHELL CHEMICAL CORPORATION

Eastern Division: 500 Fifth Avenue, New York 18 Western Division: 100 Bush Street, San Francisco 6

LOS ANGELES • HOUSTON • ST. LOUIS • CHICAGO • CLEVELAND • BOSTON • DETROIT • NEWARK

Methylcellulose, special vis., (4,000 cps.), fib. ctns., c.l., works, lb. .68 • —
2,000 lbs. and more, same basis lb. .70 • —
smaller lots, frt. alld. on 100 lbs. lb. .75 • .87
standard vis., (15-1,500 cps.), fib. ctns., c.l., frt. alld. lb. .61 • —
2,000 lbs. and more, same basis lb. .53 • —
smaller lots, frt. alld. on 100 lbs. lb. .68 • .70
Methylene blue, 100-lb. lots, kgs., frt. adjusted lb. 2.87 • —
smaller lots, kgs., same basis lb 3.02 - 3.22
Chloride indust. dms., c.l., dlvd. E lb. .12 • —
l.c.l., dlvd E lb. .13½ • —
tanks, dlvd, E lb. .11½ • —
Methylethyl ketone, dms., c.l., dlvd. lb. .10¾ • —
l.c.l., dlvd lb. .11½ • —
tanks, dlvd lb. .09 • —
Methylionone, A, cns. lb. 6.55 - 6.80
D, cns lb. 7.50 - 9.55
prime, cns lb. 4.55 - 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Ketone, dms., c.l., dlvd lb. .12¾ • —
l.c.l., dlvd lb. .13½ • —
tanks, dlvd lb. .11 • —
Methylnaphthyl ketone, cns lb. 3.00 - 3.75
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexylenegiycol)
Methylphenylpyrazolone, dms., dlvd. lb. 1.40 - 1.45
Methylthionine chloride (see Methylene blue).
Mica dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .03¾ • —
roofing, 20 to 80 mesh, works lb. .03⅜ • —
wet-grd., biotite, bgs., c.l., works, frt. alld., E lb. .05¾ • —
l.c.l., ex whse., or frt. alld. E lb. .06½ • —
extra fine, bgs., c.l., works, frt. alld., E lb. .05¾ • —
l.c.l., ex whse. or frt. alld. E lb. .06½ • —
paint or lacq., bgs., c.l., works, frt. alld., E lb. .07¼ • —
l.c.l., ex whse. or frt. alld. E lb. .08 • —
rubber, bgs., c.l., works, frt. alld. E lb. .07 • —
l.c.l., ex whse. or frt. alld. E lb. .07¾ • —
wallpaper, bgs., c.l., works, frt. alld. E lb. .07¼ • —
l.c.l., ex whse. or frt. alld. E lb. .08 • —
white, extra, fine, bgs., c.l., works, frt. alld. E lb. .07½ • —
l.c.l., ex whse or frt. alld. E lb. .08 • —
Mica, wet-grd., W. of Miss. R., ½c. higher, W. of Rockies, 1c. higher
Milk powder, skimmed, roller, bbls., c.l lb. .10½ - .10⅝
spray, bbls., c.l lb. .12¼ - .12¾
Whole, roller, bbls., c.l lb. .28 - .33
spray, bbls., c.l lb. .28½ - .35½
Sugar, crude, bgs., c.l., works lb. .16½ —
edible, bbls., works, 30,000-lb. lots lb. .22 • —
2,000-lb. lots lb. .22¾ • —
200-1,800-lb. lots lb. .23¼ • —
USP, bbls., works, 30,000-lb. lots lb. .26 • —
2,000-lb. lots lb. .26¾ • —
200-1,800-lb. lots lb. .27¼ • —
Molasses, blackstrap, tanks gal. .13 • .14
New Orleans, tanks gal. .13 • .13½
Molybdate orange (see Orange molybdate).
Mineral spirits (see Petroleum mineral spirits).
Molybdenum metal 90% Mo., powd., kgs lb. 2.60 - 3.00
pure, kgs., works, basis Mo. content lb. .95 • —
technical, kgs., works, basis Mo. content lb. .80 • —
Monochlorobenzene, dms., c.l., frt. alld. as dlvd. lb. .08½ • —
l.c.l., same basis lb. .09½ • —
tanks, same basis lb. .07 • —
Monochlorobenzene prices in the West, 1¼c. higher.
Monoethanolamine, dms., c.l., frt. alld. E lb. .27 • —
l.c.l. same basis lb. .28 • —
tanks, same basis lb. .25½ • —
Monoethylamine, dms., c.l., frt. alld. E., basis 100% lb. .21¾ • —
l.c.l., same basis lb. .22¾ • —
tanks, same basis lb. .20 • —
Monoisopropylamine, dms., c.l., frt. alld. E lb. .24¼ • —
l.c.l., same basis lb. .25¼ • —
tanks, same basis lb. .22½ • —
Monomethylamine, 25%-40%, dms., c.l., works, basis 100% lb. .35 • —
l.c.l., same basis lb. .35½ - .36
tanks, same basis lb. .31 • —
Monononylnaphthalene, dms., c.l., works lb. .14 • —
l.c.l., works lb. .15 • —
tanks, works lb. .13 • —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Monosodium glutamate (see Sodium glutamate, monobasic)
Phosphate (see Sodium phosphate, monobasic)
Monotertiarybutylmetacresol, dms., c.l., works lb. .50 • —
l.c.l., works lb. .51 • —
tanks works lb. 49 • —
Morphine, cns. oz. 12.40 - 12.60
Acetate cns. oz. 9.85 - 9.90
Hydrobromide, cns. oz. 9.30 - 9.90
Hydrochloride, NF, cns oz. 9.90 - 10.00
Sulphate, USP, cns oz. 9.90 - 10.00
Morpholine, dms., c.l., works lb. .60½ • —
l.c.l., works lb. 61 • —
tanks, works lb. .59 • —
Mountain ash berries, bgs lb. 65 - 75
Mullein flowers, cs lb. 1.15 - 1.20
Leaves, bls. lb. .16 - .18
Musk, natural, Tonquin, grains, bots. oz. 25.00 - 30.00
synthetic—Ambrette, 100 lbs., fib. dms. lb. 5.40 • —
25 lbs., cns lb. 5.50 • —
5 lbs., cns lb. 5.65 • —
Ketone, 100 lbs., fib. dms. lb. 4.95 • —
25 lbs., cns lb. 5.05 • —
5 lbs., cns lb. 5.20 • —
Xylol, 100 lbs., fib. dms. lb. 1.40 • —
25 lbs., cns lb. 1.45 • —
5 lbs., cns lb. 1.55 • —
Musk root, bls lb No prices.
Mustard seed, Calif., brown, bgs., f.o.b. source lb. .07¼ - .07½
Danish, bgs., futures lb. .11¾ - .12
Dutch, yellow, bgs., futures lb. .12 • .12½
English, yellow, bgs. lb. .11 • .13
Montana, brown, Sept.-Oct., bgs., source lb. .05 • .05½
Oriental, Sept.-Oct., bgs., source lb. .05 • .05¼
yellow, Sept. Oct., bgs., source lb. .08½ - .09
Washington, yellow, source, bgs. lb. .11 • .11½
Myrobalans, J1, assorted, ex dock. ton 52.00 • —
crushed, ex dock ton 76.50 • —
J2, ex dock ton 42.00 • —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.
Solvent (see S).
Naphthalene, dom., crude, 74° bgs., bbls., works, c.l., frt. equald. lb. .07 - —
tanks, same basis lb. .0425- —
70°, bgs., bbls., c.l., works, frt. equald. lb. .0535- —
l.c.l., same basis lb. .0560- —
dms., c.l., same basis lb. .0630- —
l.c.l., same basis lb. .07 - —
tanks, same basis lb. .0475- —
refined, industrial, bbls., c.l., frt. equald. lb. .09 - —
bgs., c.l., same basis lb. .08½- —
tanks, same basis lb. .08 • —
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis lb. .11 • —
cs., 50 lbs., c.l., same basis lb. .11¼- —
1-lb. pkgs., c.l., same basis lb. .14 • —
imported, crude, 78°, 100-ton lots lb. .63¼- —
refined, 30,000-lb. lots lb. .09¼- —
smaller lots lb. .09¼- .10½
Neocinchophen, USP, dms., frt. adjusted lb. 7.00 - 7.35
Nephelin syenite, glass, 24 mesh, bulk, Rochester, N. Y ton. 14.25 • —
pottery, 200 mesh, bulk, Rochester, N. Y. ton. 18.25 • —
Nephelin syenite in bgs., $3 per ton higher than bulk.
Nerolin, cns. lb. 2.05 - 2.25
Niacin (see Acid, nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd lb. .52½- .53½
Carbonate, bbls., dlvd lb. .57¼- .57¾
Nickel chloride, bbls., dlvd lb. .27 - .27½
Cyanide, bots., dms lb. 1.75 - 2.00
Formate, bbls., ton lots, frt. alld. lb. .49¾- .50¼
Metal, electro cathodes, cs lb. .43 • —
Nitrate, bbls., works lb. .26½- .27½
Oxide, black, bbls lb. .42 • —
Sulphate, bgs., c.l., dlvd lb. .20 • —
l.c.l., dlvd lb. .20½- —
Nicotinamide, USP, dms., frt. adjusted kilo 11.00 - 11.30
Hydrochloride, dms., frt. adjusted kilo. 10.50 - 10.80
Nicotine sulphate, 40%, 50-lb. dms., dealers, frt. alld. over 70 lbs., dm. 49.40 • —
tins, 10 lbs., dealers, frt. alld. on cases of 6 tin. 10.85 • —
Nikethamide, bots., cbys. lb. 5.60 - 5.75
Nitercake, bulk, works ton. No stocks.
Nitrobenzene, dbl. dist., dms., c.l lb. .09 - .09½
l.c.l. lb. .10 • .11
tanks lb. .08 • .08½
Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works lb. .28 • —
l.c.l., same basis lb. .29 • .31
18-25 cps., c.l lb. .30 • —
l.c.l., same basis lb. .31 • .33
250-400, 600-1,000 secs., c.l., same basis lb. .32 • —
l.c.l., same basis lb. .33 • .35
spirit soluble, 30-35 cps., ¼, ½ sec., c.l., same basis lb. .35 • —
l.c.l., same basis lb. .36 • .38
5-6, 40-60 secs., c.l., same basis lb. .34 • —
l.c.l., same basis lb. .35 • .37
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable.

Methylcellulose—Octanol

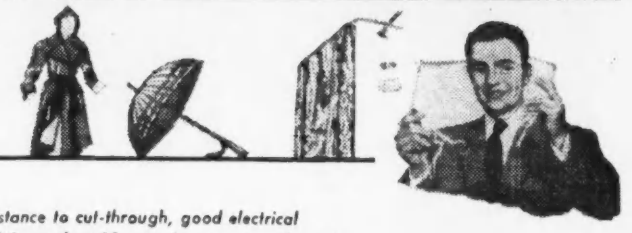
Nitroethane, dms., works lb. .30 • —
Nitrogen solution, tanks, work., N. ton. 115.00 • —
Nitrogenous process tankage, bulk, works, ammo., ship't. unit-ton. 3.90 - 4.00
Sewage sludge, bulk, works, unit ton. 3.25 + .40
Nitromethane, dms., l.c.l., works lb. .30 • —
Nitropropane, 1, dms., works lb. .30 • —
2, dms., works lb. .30 • —
Nonylphenol, dms., c.l., works lb. .26 • —
l.c.l., works lb. .27 • —
tanks, works lb. .25 • —
Nutgalls, Aleppo, bgs lb. .38 • —
Chinese, bgs. lb. .32 • —
Istrian, bgs lb. .31 • —
Nutmeg, East Indian, broken, limed, bgs. lb. .45½- —
whole, shrivels, ugs lb. .45½- .46
110's, cs. lb. .47 • .48
shipment, cs. lb. .46 • .48¾
West Indian, bgs. lb. .34 • .35
futures lb. .37 • .38
Nux vomica, bls. lb. .10 • .12
powdered, bbls., bxs lb. .13 • .14

O

Oakbark extract, 25% tannin, bbls., c.l., works lb. No stocks
Octane, 100°-140° C, industrial grade, group 3, dms., c.l. gal. .19 • —
l.c.l. gal. .21 • .22
tanks gal. .15½- —
10°C., b.r. Bayonne, N.J., tanks gal. .16¼- —
Octanol, normal, tech., dms., c.l., dlvd lb. .34½- —
l.c.l., dlvd lb. .35¼- —
tanks, dlvd lb. .32 • —

Marvinol® vinyl resins put more buy-appeal in these products

"Dry hand" and stitch-tear resistance makes Marvinol-based calendered sheets pleasant to touch, lasting, easy to work.

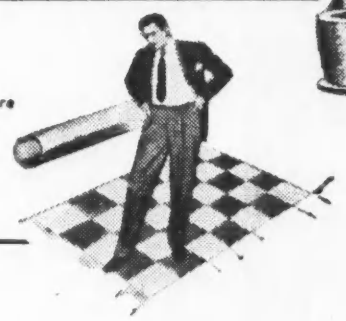


High physical properties and ease in processing, printing, embossing and heat-sealing are found in cast, calendered or extruded Marvinol-based films.

Resistance to cut-through, good electrical qualities and rapid extrusion rates are the extras Marvinol formulations offer extruders.

Sharply detailed Marvinol-based products are made by injection, low pressure, compression, slush and blow molding processes.

In new vinyl sponging operations, Marvinol formulations are being used for tough, lightweight cellular products.



Smart, colorful, long-wearing floor coverings are made from Marvinol-based formulations.

MARVINOL vinyl resins put buy-appeal in your products from the start. For superior physicals, Marvinol VR-10. For ease in processing, plus good physicals, Marvinol VR-20. Both resins offer you stability under heat, light and time; dimensional stability; low temperature flexibility; resistance to abrasion, wear, tear, oils and acids. Let us show you how to use Marvinol's timesaving features. All technical information developed in our modern laboratories is at your disposal, since it is through you that Marvinol reaches the consumer. Write today for the latest technical information. Dept. O-7, NAUGATUCK CHEMICAL, Naugatuck, Connecticut. *In Canada*, Naugatuck Chemical, Elmira, Ontario.

Other Products of Naugatuck Chemicals

KRALAC molding powders • VIBRIN Polyester resins • PQL chemical and heat resistant baking enamel • SHRINKMASTER process for rendering woolens shrink-resistant and long-wearing • SPERGON fungicide for seed treating • TUFOR 2-4-D weed killers • PHYGON orchard and row crop spray fungicide • SURFA-SEALZ rubber compound for surfacing highways • LOTOL compound latices, natural and synthetic • DISPERSITE water dispersions of reclaimed rubber and resins • Reclaimed Rubber • Aromatics • Synthetic Rubber • Rubber Chemicals • Raw Latex • Plasticizers

Marvinol

NAUGATUCK CHEMICAL

DIVISION OF UNITED STATES RUBBER COMPANY

Octyl Methacrylate—Oil, Sage

Octyl methacrylate, normal, dms., less than truckload, works. lb. .83 - —
Oil, abies siberica, cns. lb. 2.35 - 3.25
Almond, artificial, bitter, (see Benzaldehyde)
natural, bitter, F.P.A., bots. lb. 3.25 - 5.00
NF, bots. lb. 3.50 - 3.65
sweet, dms., cns. lb. .55 - .85
Allspice (see Oil, pimento).
Amyris, dms. lb. 1.65 - 1.70
Angelica root, bots. lb.110.00 -190.00
seed, bots. lb.100.00 - —
Anilin (see A).
Anise, USP, Chinese, dms. lb. .90 - 1.30
Apricot kernels, USP, dms. lb. .42½- .58
Avocado, cns., dms. lb. 1.00 1.10
Babassu, crude, tankcars. lb. .18¼- —
Bay, NF, Puerto Rican, 50-55%, cns. lb. 1.05 - 1.50
55-60%, cns. lb. 1.20 - 1.50
West Indian, 50-55%, cns., dms. lb. 1.12 - 1.15
Bergamot, artif., cns. lb. 1.50 - 3.50
natural, NF, Italian, cns. lb. 4.40 - 4.75
Birchtar, crude, cns. lb. .80 - 1.76
rectified, NF, cns. lb. 3.95 - 4.25
Bois de rose, Brazil. lb. 3.50 - 3.90
Mexican (see Oil, lignaloe wood).
Bone, dms., works. gal. .65 - .70
Cajeput, tech., dms. lb. 1.85 - 1.95
redistilled, USP, cns. lb. 2.35 - 4.50
Calamus, cns. lb.20.00 -28.00
Camphor, sassafrassy, dms. lb. .20 - .60
white, dms. lb. .23 - .60
Cananga, native, cns. lb. 4.25 - 4.80
rectified, cns. lb. 5.05 - 6.00
Capsicum (see Capsicum oleoresin).
Caraway, NF, cns. lb. 3.15 - 4.00
Cardamom, NF, bots. lb.46.00 -63.00
Cassia, USP, cns. lb. 2.50 - 2.85
Oil, castor, blown, dms., c.l. lb. .21¼- —
dms., l.c.l. lb. .21¾- —
dehydrated, bodied, dms., c.l lb. .23 - —
l.c.l. lb. .23½- —
tanks lb. .22 - —
unbodied, dms., c.l. lb. .22 - —
l.c.l. lb. .22½- —
tanks lb. .21 - —
hydrogenated, dms., c.l., works. lb. .27 - —
l.c.l., same basis lb. .28 - —
No. 3, tech., dms., c.l. lb. .18 - —
l.c.l. lb. .18½- —
tanks lb. .17 - —
sulphonated, 50% (48% fat), dms. lb. .12 - .14
75% (60-62% fat), dms. lb. .15¾- .16¾
tech., No. 1, Brazilian, tanks. lb. .16 - .16¼
USP, standard, dms., c.l. lb. .19¼- —
l.c.l. lb. .19¾- —
tanks lb. .18¼- —
refined and deodorized, dms., c.l. lb. .20¾- —
l.c.l. lb. .21¼- —
Cedarleaf, dms. lb. 1.90 - 2.20
Cedarwood, cns. lb. .45 - .55
dms. lb. .32 - .50
Celeryseed, bots. lb.14.75 -17.50
Chaulmoogra, NF, cns., dms. lb. .55 70
Chinawood (see Oil, tung).
Cinnamon bark, USP, bots. lb.20.00 -60.00
Leaf, Ceylon lb. 1.35 - 1.50
Citronella, Ceylon, cns. lb. 1.07 - 1.50
Java-type, cns. lb. 1.60 - 2.10
Clove, USP from buds, cns., dms. lb. 1.65 - 1.95
Coconut, crude, tanks, Atlantic ports lb. .15½- —
Pac. Coast lb. .14¾- —
refined, Cochin type, tax incl., dms., l.c.l. lb. .21¼- —
deodorized, tax incl., dms., l.c.l. lb. .23½- —
Oil, cod, Newfoundland, dms. lb. .08 - .09
Codliver, USP, dms. gal. 1.40 - 1.55
Coriander, USP, bots. lb.19.00 -22.00
Corn, crude, tanks, works. lb. .14¾- .15
foots, acid, 95%, tanks, dlvd. E lb. .06 - —
raw, 50%, tanks, dlvd. E lb. .02 - —
refined, dms., New York lb. .19¾- .20
tanks, same basis lb. .18¼- —
Costus, bots. oz.19.00 - —
Cottonseed, crude, tanks, Southeast and Valley lb. .15 - —
foots, acid 95%, tanks, dlvd. E lb. .04½- —
raw, 50%, tanks, dlvd. E lb. .02 - —
refined, dms. lb. .20¼- —
tankcars lb. .18½- —
Creosote (see Creosote, coaltar).
Croton, cns. lb. 4.75 - 5.50
Crude (see Petroleum, crude).
Cubeb, cns. lb. 6.00 - 7.50
Cumin, bots. lb. 4.15 - 4.50
Cypress, bots. lb.11.00 -15.00
Degras (see D).
Dillseed, bots. lb. 6.60 - 7.75
Dillweed, bots., dms. lb. 5.00 - 6.00
Dip (see D).
Erigeron, cns. lb. 5.75 - 6.00
Eucalyptus, rectified, 80-90%, cns. lb. .65 - .98
70-80%, cns. lb. .55 - .83
Fennel, USP, cns. lb. 2.50 - 3.25
Fir, Canada, cns. lb. 1.75 - 2.05
Fishliver, crude, for feeds for centrating, 6,000 to 12,000 A units, dms. 1,000,000 units. .09 - —
15,000 to 20,000 A units, dms. 1,000,000 units. .09½- —
25,000 to 35,000 A units, dms. 1,000,000 units. .10 - —
40,000 to 55,000 A units, dms. 1,000,000 units. .10½- —
Market prices on crude fishliver oil dependent upon conversion factor.
Oil, fishliver, prime, natural, or concentrate, 100,000 A units, dms., 1,000,000 units. .15 - —
200,000 A units, dms. 1,000,000 units. .16 - —
300,000 A units, dms. 1,000,000 units. .17 - —
400,000 A units, dms. 1,000,000 units. .19 - —
500,000 A units, dms. 1,000,000 units. .20 - —
700,000 A units, dms. 1,000,000 units. .22 - —

Prices above are based on the USP XIII method of conversion, E x 1894.

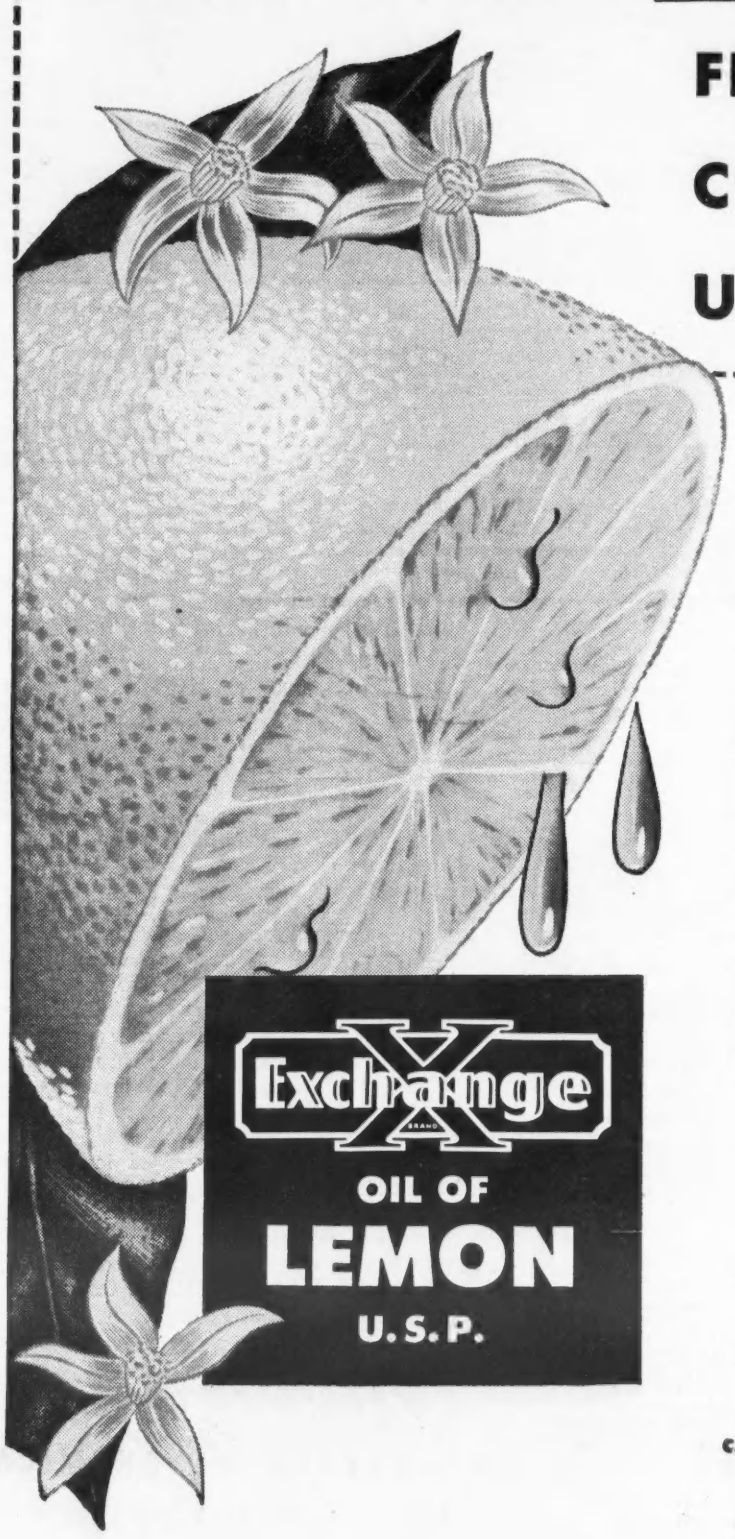
100,000 A units, dms. 1,000,000 units. .16 - —
200,000 A units, dms. 1,000,000 units. .17 - —
300,000 A units, dms. 1,000,000 units. .18 - —
400,000 A units, dms. 1,000,000 units. .20 - —
500,000 A units, dms. 1,000,000 units. .21 - —
700,000 A units, dms. 1,000,000 units. .23 - —

Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.

Fuel (see Petroleum fuel oil).
Fusel (see F).
Garlic, pure, bots. oz. 7.25 - 8.00
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns. lb.17.25 -20.00
Bourbon, cns. lb.20.00 -24.00
Turkish (see Oil, palmarosa).
Ginger, dist., bots. lb.21.00 -23.50
Grapefruit, dist., bots. lb. .60 - .90
Grease, No. 1, dms. lb. .10¾- .11¾
extra, Winter, strained, dms lb. .12 - .13
prime, burning, dms. lb. .13 - .14
Guaiacwood, cns. lb. 1.75 - 1.90
Hemlock, cns. lb. 1.80 - 2.10
Herring, crude, tanks, Pac. coast. lb. No prices.
Juniper berry, NF VIII, bots. lb. 2.50 - 3.25
twice rectified lb. 3.50 - 7.00
Tar, USP (see Juniper tar).
Wood, tech., cns. lb. .65 - 1.00
Lard (see Oil, grease).
Laurel, bots. lb. 9.75 -12.50
Lavandin, cns. lb. 1.30 - 1.85
Lavender flower, French, 30-32% ester, cns. lb. 2.25 - 3.25
38-42% ester, cns. lb. 3.15 - 4.10
40-42% ester, cns. lb. 3.60 - 4.75
Spike, Spanish, cns. lb. 1.10 - 1.40
Lemon, USP, Calif., cns. lb. 3.15 - 3.50
Messina lb. 3.00 - 5.75
terpeneless, bots. lb.32.00 -65.00
Lemongrass, cns., dms. lb. 1.70 - 2.30
Lignaloe, Brazilian (see Oil, bois de rose).
wood, Mexican, cns. lb. 3.50 - —
Lime, distilled, Mexican, cns. lb. 6.00 - 7.00
West Indian, cns. lb. 6.50 - 7.25
expressed, West Indian, cns. lb. 7.25 -13.75
terpeneless, bot. lb.45.00 -65.00
Linseed, raw, dms., c.l., Zone 3. lb. .1870- —
l.c.l. lb. .1930- .1990
tankcars lb. .1750- —
tankwagon lb. .1780- —
Boiled linseed oil .007 higher than raw.
Mace, dist., cns., dms. lb. 3.25 - 4.00
Mandarin, Floridian, dms. lb. 1.60 - 1.75
Italian, cns. lb. 4.80 - 8.50
Menhaden, crude, tanks, Balto. lb. .06½- —
refined, alkali, dms. lb. .1280- —
kettle-bodied, dms. lb. .1430- —
light-pressed, dms. lb. .1180- —
tanks lb. .1000- —
Mineral, white (see Oil, white, mineral).
Mirbane (see Nitrobenzene).
Mustard seed, expressed, dms. lb. .22½- .23
synthetic, cns., dms. lb. 1.40 1.70
Neatsfoot, 15°, dms. lb. .23 - .23½
20°, dms. lb. .27 - .27½
30°, dms. lb. .25 - .26
Neroli, NF, French, bots. oz.125.00 -195.00
Haitian, bots. lb.85.00 -90.00
Niaouli, cns. lb. 1.95 - 3.00
Nutmeg, USP, dist., East Indian, cns., dms. lb. 3.10 - 3.75
West Indian, cns., dms. lb. 3.35 - 3.60
Ocotea cymbarum, dms. lb. .66 - .90
Oiticica, liquid, drums. lb. .20 - .20½
tankcars lb. .19 - —
Oleo, extra, dms. lb. .14 - .14½
Olibanum, bots. lb. 5.50 - 7.65
extra fine, bots. lb. 6.25 - 8.50
Olive, commercial, dms. gal. 1.75 - 1.95
edible, dms., duty paid. gal. 2.00 - 2.20
foots, dms. lb. .11⅞- .12½
Orange, sweet, dist., cns. lb. .25 - .60
expressed, USP, Brazilian, cns., dms lb. .95 - 1.25
Calif., cns. lb. .60 - 1.00
Florida, cns., dms. lb. .40 - 1.00
Messina, coppers. lb. 2.90 - 5.50
West Indian, cns. lb. 2.00 - 2.50
sesquiterpeneless, bots. lb.55.00 -95.00
Origanum, Spanish, cs. lb. 2.50 - 2.75
Palm, Congo, dms. lb. .1325- .1335
tankcars lb. No stocks.
Palmarosa, cns. lb. 7.25 - 8.00
Palmkernel, crude, bulk, c.i.f. NY lb. No prices.
Paraffin, pale, 100-110 vis. at 100° F. tanks, East Coast refinery gal. .11½- —
Patchouli, dms. lb.22.00 -24.00
Peach kernel, USP (see Oil, apricot kernel).
Peanut, crude, tanks, Southeast lb. .16¾- —
refined, dms. lb. .20¾- .21¼
tanks, New York lb. .19½- —
Pennyroyal, USP, dom., cns. lb. No stocks.
imported, cns. lb. 4.30 - 4.75
Peppermint, natural, dms. lb. 6.10 - 7.25
redist., USP, dms. lb. 6.50 - 7.65
Persic, USP (see Oil, apricot kernel).
Perilla, crude, dms. lb. No stocks.
Petitgrain, Paraguay, cns. lb. 1.85 - 2.25
Pimento berry, NF, dms. lb. 3.85 - 5.75
leaf, cns. lb. 1.35 - 1.70
Pine, dest.-dist., dms., incl., c.l., works, South gal. .60 - —
l.c.l., works, South gal. .61 - —
ex whse., N. Y. C. lb. .72 - —
steam-dist., dms., ex whse., non-ret. dms., incl., l.c.l., ex whse., N.Y.C. lb. .107 - —
Pineneedle, Siberian (See Oil, abies siberica).
Putty, petroleum, dms., c.l., dlvd. lb. .11 - —
l.c.l., same basis lb. .12 - —
tanks, same basis lb. .10 - —
Rapeseed, tankcars lb. .15¼- —
Red, saponified, dms. lb. .13¾- .15
tanks lb. .12¼- —
single dist., dms. lb. .14½- .15¾
tanks lb. .13 - —
double dist., dms. lb. .17 - .18¼
tanks lb. .15½- —
Rice bran, clarif., dms. lb. .14 - .14½
tanks lb. .12½- .13½
Rose, natural, Bulgarian, bots. oz.24.00 -56.00
Rosemary, Spanish, tech., cns., dms. lb. .80 - 1.50
USP, cns., dms. lb. .92 - 1.25
Rue, bots. lb. 3.00 - 3.10
Safflower, dms., l.c.l. lb. .1825- —
tanks lb. .1550 Nom.
Sage, clary, bots. lb.12.50 -19.00
Dalmatian, cns. lb. 6.00 - 7.00
Spanish, cns. lb. 1.00 - 2.00

8 out of 10 say it's *best* for

FLAVOR
CLARITY
UNIFORMITY



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Distributors for:
CALIFORNIA FRUIT GROWERS EXCHANGE
Products Department, Ontario, Calif.
Producing Plant:
Exchange Lemon Products Co., Corona, Calif.

Oil, sandalwood, NF, cns	lb.	11.75	-12.50
Sardine, crude, tanks, Pac. coast.	lb.	.06½-	—
refined, alkali, dms	lb.	.1280-	—
kettle-bodied, dms	lb.	.1430-	—
light-pressed, dms	lb.	.1180-	—
tanks	lb.	.1000-	—
Sassafras, artificial	lb.	.53 -	.78
natural, Brazilian (see Oil, ocotea cymbarum).			
domestic, USP, cns., dms.	lb.	1.90 -	2.30
Savin, cns	lb.	2.75 -	3.00
Savory, cns	lb.	8.00 -	—
Seal, 2% acid duty extra, dms	lb.	No stocks.	
Sesame, ref., dms., l.c.l.	lb.	.31 -	—
Shingle stain, bbls., c.l., works,	gal.	.27 -	—
l.c.l., works	gal.	.30 -	—
tanks, works	gal.	.19 -	—
Snakeroot, Canada, cns	lb.	19.25	-25.00
Soybean, crude, tanks, bills	lb.	.13 -	—
foots, acid, 95%, tanks, dlvd. E.	lb.	.07 -	—
raw, 50%, tanks, dlvd. E.	lb.	.03 -	—
refined, alkali, dms., c.l.	lb.	.1635-	—
l.c.l.	lb.	.1695-	.1735
tanks	lb.	.1515-	—
clarified, dms., c.l.	lb.	.1540-	—
l.c.l.	lb.	.1605-	.1665
tanks	lb.	.1425-	—
edible, dms.	lb.	.17 -	.17½
tanks	lb.	.15½-	—
Spearmint, USP, dms	lb.	3.25 -	3.40
Sperm, bleached, winter, 45°, dms	lb.	.1520-	.1570
tankcars	lb.	.1420-	—
natural, winter, 45°, dms	lb.	.14 -	.1470
tankcars	lb.	.13 -	—
Spruce, cns., dms	lb.	1.80 -	2.10
Sunflower-seed, imp., refined, tanks	lb.	No prices.	
semi-refined, tanks	lb.	No prices.	
Sweet birch, USP, Northern, cns.	lb.	4.75 -	8.00
Southern, cns	lb.	2.05 -	3.75
Tall, crude, tanks, works	ton.	40.00 -	—
refined, dms., c.l., works	lb	.06 -	—
l.c.l., works	lb.	.06¼-	—
tanks, works	lb.	.05 -	—
Tallow, acidless, dms	lb.	.11 -	.11½
Tansy, dms	lb.	8.10 -	9.00
Tar, pine, coml., dms., incl., c.l., works, South	lb	.045	—
l.c.l., works, South	lb.	.0473-	—
wise., N.Y.C.	lb.	.0595-	—
tanks, works, South	lb.	.035 -	—
rectified, NF, l.c.l., dms., incl., works, South	gal.	.60	—
Tar acid (see T).			
Teaseed, dms.	lb.	No stocks.	
Theobroma (see Cocoa butter).			
Thyme, NF, red, cns., dms	lb.	1.65 -	2.10
white, cns	lb.	1.85 -	2.35
technical, white, cns	lb.	.40	5.00
Tung, dom., tanks, mills	lb.	.24	Nom.
imported, dms., c.l.	lb.	.25½-	—
l.c.l.	lb.	.26 -	—
tanks	lb.	.24½-	—
Turkey red (see Oil, castor, sulphonated)			
Turpentine, rectified, NF, cns., dms	lb.	.21 -	.35
Vetiver, Bourbon, cns	lb.	12.75	-15.25
Haitian, cns	lb.	10.60	-14.00
Java, cns	lb.	16.00 -	—
Whale, ref., natural, dms	lb.	No stocks.	
Winter-bleached, dms	lb.	No stocks.	
Wheat germ, 5-gal. dms	gal.	10.00	-13.00
White mineral, tech., 50-65 vis., dms., c.l., N. Y.	gal.	.43 -	—
l.c.l., same basis	gal.	.48 -	—
65-75 vis., dms., same basis.	gal.	.44 -	—
l.c.l., same basis	gal.	.49 -	—
USP, 80-90 vis., dms., c.l., same basis	gal.	.45 -	—
125-135 vis., dms., c.l., same basis	gal.	.53 -	—
l.c.l., same basis	gal.	.58 -	—
145-155 vis., dms., c.l., same basis	gal.	.60 -	—
l.c.l., same basis	gal.	.65 -	—
175-185 vis., dms., c.l., same basis	gal.	.62 -	—
l.c.l., same basis	gal.	.67 -	—
200-210 vis., dms., c.l., same basis	gal.	.65 -	—
l.c.l., same basis	gal.	.70 -	—
335-345 vis., dms., c.l., same basis	gal.	.69½-	—
l.c.l., same basis	gal.	.74½-	—
Wintergreen, USP, nat., Northern, cns.	lb.	7.10	-18.00
Southern, cns	lb.	3.75	-19.50
synthetic (see Methyl salicylate).			
Wood (see Oil, tung).			
Wormseed, NF, cns	lb.	4.00 -	4.50
Wormwood, cns	lb.	6.70 -	7.00
Ylang-ylang, Bourbon, bots	lb.	12.00	-14.00
extra, bots	lb.	17.00 -	—
Madagascar, bots	lb.	9.50 -	9.75
Olein, crude (see Oil, red).			
white, low titre, dms	lb.	.17 -	.18¼
tankcars	lb.	.15½-	—
Oleostearin, bbls	lb.	.08¾-	—
Olivine, aggregate, c.l., mines	ton.	7.00 -	9.50
crushed, 8 mesh, bulk, c.l., works.	ton.	10.00	—
paper bgs., c.l., works	ton.	12.00 -	—
Opium, USP, cns.	lb.	19.20	-19.45
gran., USP, cns.	lb.	21.65	-21.90
powd., USP, cns.	lb.	21.65	-21.90
Orange, cadmium lithopone bbls., frt. alld. E. of Rockies	lb.	1.20 -	—
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis, St. Paul	lb.	.25 -	—
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1¼c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex.; 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.			
Chrome dinitroanilin toner	lb.	1.15 -	—
Mineral, American, bbls., l.c.l., ship't point, frt. alld.	lb.	.1810-	—
Molybdate	lb.	.40 -	—
Persian, bbls	lb.	30 -	.45
Orange flowers, bls	lb.	.40	.45
Orange peel, bitter, Haitian, bls	lb.	.13 -	.15
Sweet, bls	lb.	.13 -	.17
Oregano, Mexican, bgs	lb.	.16¼-	.16½
Portuguese, bgs	lb.	.16½-	.17
Sicilian, bgs	lb.	.15½-	.16
Orris root, Florentine, bls	lb.	.18 -	.20
powdered, bbls., bxs	lb.	.23 -	.24
Verona, bls	lb.	.13 -	.14
powdered, bbls., bxs	lb.	.18 -	.19
Orthoaminobiphenyl, dms., c.l., works	lb.	.32½-	—
l.c.l., same basis	lb.	.33 -	—
tanks, same basis	lb.	.31 -	—
Orthoanisidin, obls	lb.	.80 -	—
Orthochloroanilin, dms., 10,000 lbs. or more	lb.	.60 -	—
smaller lots	lb.	.70 -	—
Orthochloroparanitroanilin, dms., dlvd.	lb.	.67 -	—
Orthochlorophenol, dms., c.l., frt. equald.	lb.	.29 -	—
l.c.l., same basis	lb.	.30 -	—
Orthocresol, pure, 30° C, non-ret., dms., c.l., frt. equald.	lb.	.178 -	—
l.c.l., same basis	lb.	.181 -	—
ret. dms., c.l., same basis	lb.	.1900-	—
l.c.l., same basis	lb.	.1930-	—
29° C, non-ret. dms., c.l., same basis	lb.	.168 -	—
l.c.l., same basis	lb.	.171 -	—
ret. dms., c.l., same basis	lb.	.1800-	—
l.c.l., same basis	lb.	.1830-	—
24-29° C, non-ret. dms., c.l., same basis	lb.	.148 -	.168
l.c.l., same basis	lb.	.151 -	.171
tanks, same basis	lb.	.135 -	.155
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies	lb.	.09¼-	—
l.c.l., same basis	lb.	.10¼-	—
tanks, same basis	lb.	.07¾-	—
Orthoisopropyl N-phenylcarbamate (see IPC).			
Orthoisopropylphenol, dms., c.l.	lb.	.29 -	—
l.c.l.	lb.	.30 -	—
tanks	lb.	.28 -	—
Orthonitroanilin, dms	lb.	.50	.53
Orthonitrochlorobenzene, dms.	lb.	.18 -	.19
Orthonitrobiphenyl, tech. dms., c.l., works	lb.	.14½-	—
l.c.l., works	lb.	.15 -	—
tanks, works	lb.	.13 -	—
Orthonitroparachlorophenol, cns	lb.	.75 -	—
Orthonitrotoluene, dms., c.l., works	lb.	.08 -	—
l.c.l., works	lb.	.09 -	—
tanks, works	lb.	.07 -	—
Orthophenetidin, dms., works	lb	.90	—
Ortho'oluidin, dms., c.l., works	lb.	.19 -	—
l.c.l., same basis	lb.	.20 -	—
tanks, same basis	lb.	.18 -	—
Osage orange crystals, bbls., l.c.l	lb.	33½-	—
extract, liquid, bbls., l.c.l	lb.	.15½-	—
Orthotolidin, (see Tolidine Base).			
Ouabaine, USP	gram	3.00	4.00
Ox gall, conc., gran., 5lb. dms., 5 lbs. and up	lb.	2.50 -	—
Oxyquinolin sulphate, cns., 100 lbs. works	lb.	4.25 -	—
smaller lots, works	lb.	4.40 -	4.51

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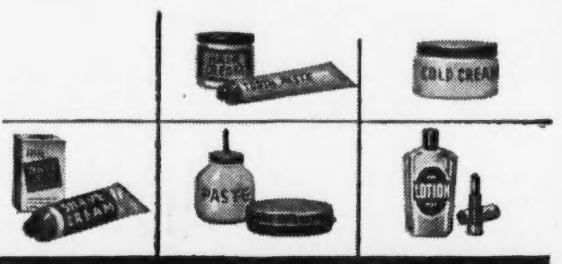
Pancreas substance, assay 1:75	lb.	5.75 -	6.25
Pancreatin, USP	lb.	2.50 -	3.00
Panthenol, bots., works, frt. adjust.	kilo.	90.00 -	—
Papain, powd., NF, cs	lb.	2.10 -	2.70
Papaverine, natural or synthetic, hydrochloride, USP, cns., 1,000-oz. lots	oz.	5.00 -	—
smaller lots	oz.	5.05 -	5.20
Sulphate, cns	oz.	7.10	7.35
Paprika, Chilean, bgs	lb.	.29½-	.30
Portuguese, bgs	lb.	.39 -	.40
Spanish, bgs	lb.	.44 -	.50
Para-anisidin, dms works	lb.	.80 -	—
Para-acetylaminobenzaldehyde thiosemicarbazone, dms., frt. adjusted	lb.	17.50	-21.00
Parachlorophenol, dms. c.l., frt. equald.	lb.	.29 -	—
l.c.l., same basis	lb.	.30 -	—
Parachloroanilin, dms., frt. alld. E. Miss	lb.	.70 -	—
Parachloro-orthonitroanilin, frt. alld. dms.	lb.	.63 -	—
Paracresol, 98%, dms., dlvd.	lb.	.50 -	—
Paracymene, dms. works, 50 gals. or more	gal.	2.50 -	—
smaller quantities	gal.	3.00 -	—
Paradibromobenzene, bgs. 500-lb. lots.	lb.	.45 -	—
Paradichlorobenzene, dms., c.l., works	lb.	.12 -	—
l.c.l., same basis	lb.	.14 -	—

Oil, Sandalwood—Paraformaldehyde

Paraffin, crude, scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery	lb.	No prices.	
121-123 ASTM, bbls., c.l., ref'y	lb.	No prices.	
126-128 ASTM, bbls., c.l., ref'y	lb.	No prices.	
fully ref'd, slabs, 120-122 ASTM, loose, c.l., ref'y	lb.	.0635-	—
122-124 ASTM, loose, c.l., ref'y.	lb.	.0635-	—
125-127 ASTM, loose, c.l., ref'd	lb.	.0635-	—
126-130 ASTM, loose, c.l., ref'y	lb.	.0640-	—
130-132 ASTM, loose, c.l., refy.	lb.	.0645-	—
132-134 ASTM, loose, c.l., ref'y	lb.	.0660-	—
Paraffin prices in bgs and ctns. 7-10c per lb. higher; 1,000 to 9,999 lbs. 2.7c per lb higher, and under 1,000 lbs. 3.7c per lb higher			
Paraformaldehyde, 94-95%, powd., dms., c.l., dlvd. N.Y	lb.	.15½	.16¾
10,000 lbs. to c.l., same basis.	lb.	.16½	.16¾
1,000-9,999 lbs., same basis	lb.	.17½	.17¾
less than 1,000 lbs., same basis	lb.	.19¼	.19¼
powd., dms., c.l., works	lb.	.13 -	—
10,000 lbs. to c.l., same basis.	lb.	.14 -	—
1,000-9,999 lbs., same basis.	lb.	.15 -	—
less than 1,000 lbs., same	lb.	.0795-	—
135-137 ASTM, loose, c.l., ref'y	lb.	.17	—
basis	lb.		



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Mold, fungus, yeast and bacterial action are the "four horsemen" of deterioration in creams, lotions and pastes containing fats, gums, oils or carbohydrates. Heyden PARASEPTS are designed especially to prevent this costly waste and to give effective preservation. Fine products are safeguarded against loss of quality and sales appeal.

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PROPYL PARASEPT (Propylparaben U.S.P.)
ETHYL PARASEPT
BUTYL PARASEPT
BENZYL PARASEPT

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Guaiacols • Hexamethylenetetramine
Medicinal Colloids • Methylene Disalicylic Acid
Paraformaldehyde • Parahydroxybenzoates
Penicillin • Pentaerythritols
Propyl Gallate • Quadrafos • Salicylate
Salicylic Acid • Streptomycin

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393 SEVENTH AVE., NEW YORK 1, N. Y.
CHICAGO 6 • PHILADELPHIA 3 • SAN FRANCISCO 11 • DETROIT 1 • RUMFORD 16, R.I.
SERVING INDUSTRY THROUGH FINER CHEMICALS

Paraformaldehyre, 91-92%—Petroleum, Solvent, Stoddard

Paraformaldehyde, 91-92% flake, fib. dms., c.l., works	lb.	.11	—
10,000 lbs. to c.l., same basis,	lb.	.12	—
1,000-9,999 lbs., same basis,	lb.	.13	—
less than 1,000 lbs., same basis	lb.	.15	—
Quotations on 91-92%, flake paraformaldehyde in the New York metropolitan area are on a delivered basis, 2½c. per lb. higher than works prices.			
Paraldehyde, tech., 98% 55 gals., dms., l.c.l., works	lb.	.12½	.13¼
5-10-gal. dms., l.c.l., works	lb.	.16½	—
tanks, works	lb.	.10½	—
USP, cbys	lb.	.51	.53
Paranitroanilin, kgs., works	lb.	.46½	—
Paranitrochlorobenzene, kgs., works.	lb.	.19	.20
Paranitrophenol, kgs., works, frt. equald	lb	.40	—
Paranitrotoluene, kgs., works	lb.	.30	—
Paraphenetidin, dms., works	lb.	.50	—
Paraphenylphenol, bgs., c.l., works,	lb.	.30½	—
l.c.l., same basis	lb.	.31½	—
Paraphenylenediamine, redistilled, dms., works	lb.	2.00	—
technical, refined, dms., same basis	lb.	1.25	1.35
Paratertiarybutylphenol, bgs., c.l., frt. equald	lb	.21	—
l.c.l., same basis	lb.	.22	—
Parathion, spray powder, 15%, tins, dealers	lb.	.72	—
tech., dms., works	lb.	1.50	2.50
Paratoluenesulphonamide, bbls., works	lb.	.70	—
Paratoluidin, bbls., works	lb.	.55	—
Paretra brava root, whole, ogs.	lb.	.30	.31
ground, bxs.	lb.	.35	.37
powder, bxs.	lb.	.38	.40
Paris green, dealer, distributor, dms., dms., c.l., works, frt. alld. on 96 lbs. or over	lb.	.33	.37
l.c.l., same basis	lb.	.34	.66
Passion flower nerb, bls.	lb.	.35	.40
Patchouli leaves, bls.	lb.	No stocks.	
Peanut meal, 45%, sacked, mills	ton.	81.00	90.00
Pectin, citrous, NF, powd., bbls	lb.	2.05	2.06
tech., powd., bbls	lb.	1.43	1.43
Penicillin, crystalline potassium, unlabeled, vials, 100,000 units	vl.	.102	—
200,000 units	vl.	.15½	—
500,000 units	vl.	.28	—
1,000,000 units	vl.	.52	—
2,000,000 units	vl	1.00	—
bulk, sterile, over 25,000,000,000 unit lots .100,000 units.		.04	—
tablet grade, over 25,000,000,000 unit lots 100,000 units.		.03½	—
procaine, bulk, over 25,000,000,000 unit lots 100,000 units.		.04½	—
sodium, unlabeled, vials 100,000 units	vl.	.10¾	—
200,000 units	vl.	.16	—
500,000 units	vl.	.30½	—
1,000,000 units	vl.	.57	—
2,000,000 units	vl.	1.03	—
bulk, over 25,000,000,000 unit lots 100,000 units.		.04½	—
Pennyroyal leaves, bls	lb.	.40	.45
Pentachlorophenol, dms., c.l., works, frt. equald	lb.	.20	—
l.c.l., same basis	lb.	.23	.28
truckload, 20,000 lbs., min., same basis	lb.	.20¼	—
Pentaerythritol, tech., bgs., c.l., works	lb.	.29	—
l.c.l., works	lb.	.31	.33
Di and tri-isomers (see Dipentaerythritol and Tripentaerythritol).			
Pentane, industrial, tanks, group 3	gal.	.10½	11½
Pepper, black, bgs.	lb.	1.55	1.60
July-Aug. shipment, bgs.	lb.	No prices.	
Red, Carolina, longs, bgs.	lb.	.38	.39
Oct.-Nov. delivery, bgs.	lb.	.36	.37
Ethiopian, stemless, bgs.	lb.	.32½	.33
Haitian, bgs.	lb.	.52	.53
Hontaka, bgs.	lb.	.56	.57
Louisiana longs, bgs.	lb.	.38	.38½
Mexican sports, bgs.	lb.	.35	.36
Mississippi sports, bgs., source	lb.	No stocks.	
Nigerian, caps, bgs.	lb.	.38	.39
birdseye, bgs.	lb.	.70	.70½
Sierra Leone, bgs.	lb.	.42	.43
Sudanese, small, bgs.	lb.	.42	.43
Turkish, bgs.	lb.	.24	.25
White, afloat, bgs.	lb.	2.60	2.65
Peppermint, USP, dom., bls.	lb.	.50	.70
imported, bls.	lb.	.80	.90
Pepsin, NF, bulk containers	lb.	3.90	—
Perchloroethylene, dms., c.l., or truckload, works, frt. equald.	lb.	.10¾	—
l.c.l., same basis	lb.	.11½	—
tanks, same basis	lb.	.10¼	—
Perchloroethylene, dms., c.l., dlvd. E	lb.	.11½	—
l.c.l., dlvd. E	lb.	.12	—
tanks, dlvd. E	lb.	.10½	—
Peru balsam, dms.	lb.	.87	1.10
Petrolatum, USP, amber, dms., c.l.,	lb.	.04⅝	.04¾
l.c.l., same basis	lb.	.05½	.05¾
cream, dms., c.l., same basis	lb.	.05¾	.06⅝
l.c.l., same basis	lb.	.07	.08
extra amber, dms., c.l., same basis	lb.	.04¾	.05¼
l.c.l., same basis	lb.	.05¾	.06
Petrolatum, USP, white lily, dms., c.l., same basis	lb.	.06	.06¾
l.c.l., same basis	lb.	.07¼	.08¼
snow, dms., c.l., same basis	lb.	.06½	.07⅛
l.c.l., same basis	lb.	.07½	.08⅛
soft, dms., c.l., same basis	lb.	.06¼	.06⅝
l.c.l., same basis	lb.	.07¼	.07⅝
yellow, soft, dms., c.l., same basis	lb.	.04¾	.05
l.c.l., same basis	lb.	.05¾	.06⅛
Petroleum, crude bulk, at wells, California	bbl.	1.10	2.99
Illinois	bbl.	2.44	2.87
Kentucky	bbl.	2.42	2.83
Louisiana-Arkansas	bbl.	2.08	2.90
Montana	bbl.	1.28	2.775
Oklahoma-Kansas	bbl.	2.16	2.65
Pennsylvania, lower field	bbl.	3.75	—
Upper field	bbl.	2.85	3.64
Texas, East	bbl.	2.65	—
Gulf coast	bbl.	2.38	2.95
North, North-Central	bbl.	2.23	2.65
Panhandle	bbl.	2.23	2.65
West	bbl.	2.10	2.65
Wyoming	bbl.	1.28	2.875
Ether, laboratory, 30°-60° C, 10-gal. cns., dlvd. E	gal.	1.50	—
dms., c.l., group 3	gal.	.26	—
l.c.l., same basis	gal.	.44	—
35°-60° C, 10-gal. cns., dlvd. E	gal.	1.50	—
dms., c.l., Group 3	gal.	.26	—
l.c.l., same basis	gal.	.44	—
40°-75° C, 10-gal. cns., dlvd. E	gal.	1.50	—
dms., c.l., Group 3	gal.	.26	—
l.c.l., same basis	gal.	.44	—
90°-160° C, ref. dms., ex tax, f.o.b. San Francisco	gal.	.37	—
Fuel oil, bunker C, No. 6, California, heavy tanks, refinery	bbl.	1.25	1.55
light, tanks, refinery	bbl.	2.05	2.10
eastern, tanks, Albany, N. Y.	bbl.	2.35	—
Baltimore, Md.	bbl.	2.18	—
Boston, Mass.	bbl.	2.20	—
Charleston, S. C.	bbl.	2.13	—
Jacksonville, Fla.	bbl.	2.02	—
New York, N. Y.	bbl.	2.05	2.10
Norfolk, Va.	bbl.	2.18	—
Philadelphia, Pa.	bbl.	2.18	—
Portland, Me.	bbl.	2.23	—
Providence, R. I.	bbl.	2.175	—
Savannah, Ga	bbl.	2.03	—
Diesel, tanks, refinery, California	gal.	.095	.10
Pennsylvania	gal.	.0875	.0925
Furnace, tanks, refinery, Arkansas, No. 2	gal.	.0775	—
No. 3	gal.	.07375	—
Bayonne, N. J., No. 2	gal.	.081	—
Group 3, No. 1	gal.	.08	.08625
No. 1, straw	gal.	.08	.08625
No. 2, straw	gal.	.07375	.085
range	gal.	.08	.0875
Pennsylvania, western, No. 1	gal.	.095	.09625
No. 2	gal.	.09	.095
No. 3	gal.	.09	.0925
Lacquer diluent, California, 170-225 F. b.r., tanks, ex tax, f.o.b. Los Angeles	gal.	.147	—
255 F. b.r., tanks, ex-tax, Portland, Ore	gal.	.158	—
San Francisco	gal.	.152	—
Seattle, Wash	gal.	.158	—
East coast, tanks, N. J. and N. Y. refinery	gal.	.16½	—
group 3, benzol-type, tanks, refinery	gal.	.12625	—
toluol-type tanks, refinery	gal.	.11625	.11875
Mineral spirits, California, 170-255 b.r., tanks, ex tax, f.o.b. San Francisco	gal.	1.52	—
205-295 b.r., tanks, same basis	gal.	.152	—
215-360 b.r., tanks, same basis	gal.	.152	—
305-362 b.r., tanks, same basis	gal.	.142	—
312-400 b.r., tanks, same basis	gal.	.142	—
360-455 b.r., tanks, same basis	gal.	.152	—
East coast, tanks, N. J., N. Y., refinery	gal.	.14½	—
group 3, tanks	gal.	.10375	—
tankwagon, Baltimore	gal.	.18	—
Boston	gal.	.16½	—
Buffalo	gal.	.17	—
Newark	gal.	.15½	—
New York	gal.	.15½	—
Philadelphia	gal.	.14	—
Pittsburgh	gal.	.175	—
Providence	gal.	.17	—
Rochester	gal.	.18½	—
Syracuse	gal.	.19½	—
Washington, D. C.	gal.	.18	—
Naphtha, cleaners, East Coast, tanks, N.J., N.Y., refinery,	gal.	.14½	—
Group 3, tanks	gal.	.11375	—
tankwagon, Newark	gal.	.15½	—
New York	gal.	.15½	—
Philadelphia	gal.	.14½	—
high-flash, 140° F, group 3, refinery, tanks	gal.	.13	.145
200-265 b.r., 37-38° C., mixed anilin pt., tanks, refinery or terminal	gal.	.21½	.23
25-26° C., m.a.p., tanks, same basis	gal.	.19½	.26
270-370 b.r., 78-81° C, m.a.p., tanks, same basis	gal.	.25	—
49° C., m.a.p., tanks, same basis	gal.	.26½	—
26-27° C., m.a.p., tanks, same basis	gal.	.19½	.26¼
300-400 b.r., 28-32° C., m.a.p., tanks, same basis	gal.	.19½	.28¼
340-410 b.r., 27° C., m.a.p., tanks, same basis	gal.	.31	—
32° C., m.a.p., tanks, same basis	gal.	.19½	—
36° C., m.a.p., tanks, same basis	gal.	.20½	—
340-440 b.r., 32° C., m.a.p., tanks, same basis	gal.	.25¾	.29
360-480 b.r., 25° C., m.a.p., tanks, same basis	gal.	.19½	—
V.M.&P., tanks, ref'y, California, 245-360 b.r., Los Angeles,	gal.	.147	—
Portland, Ore	gal	.158	—
San Francisco	gal.	.152	—
Seattle, Wash.	gal.	.158	—
East coast, N. J., N. Y., tanks	gal.	.15½	—
Group 3, tanks	gal.	.11375	.11625
tankwagon, Boston	gal.	.18	—
Newark	gal.	.17	—
New York	gal.	.17	—
Philadelphia	gal.	.165	—
Pittsburgh	gal.	.185	—
Solvent, rubber, California, tanks, ex tax, San Francisco	gal.	.152	—
East coast, N. J., N. Y.,	gal.	.15½	—
Group 3, tanks	gal.	.11375	—
Pennsylvania, western, tanks	gal.	.1225	—
Stoddard, California, tankwagon, ex-tax, Los Angeles	gal.	.157	.195
East coast, N. J., N. Y., tanks	gal.	.14½	—

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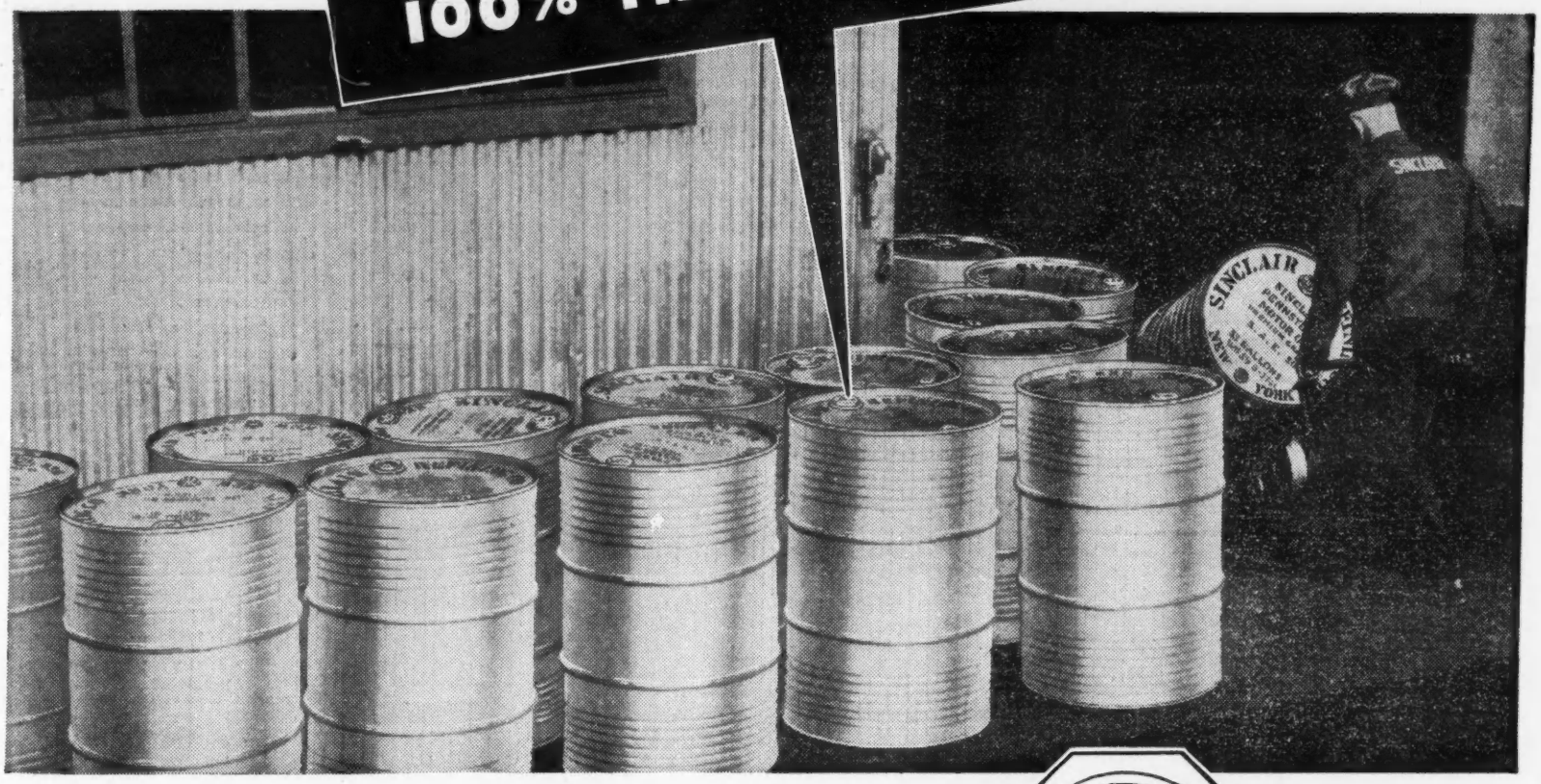

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AMERICAN FLANGE & MANUFACTURING CO. INC., 30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.

TRI-SURE PRODUCTS LIMITED, ST. CATHARINES, ONTARIO, CANADA

Petroleum Solvent, Stoddard, Group 3—Potassium Nitrate

Petroleum solvent, Stoddard, Group 3, tanks ..... gal. .10875 - —
tankwagon, Boston ..... gal. .16½ - —
Newark ..... gal. .15½ - —
New York ..... gal. .15½ - —
Philadelphia ..... gal. .14½ - —
Pittsburgh ..... gal. .175 - —
Syracuse ..... gal. .19½ - —
Sulphonate, 60-62% sulphonic content, ret. dms., c.l., works. lb. .15¾ - —
l.c.l., works ..... lb. .16¼ - —
tanks, works ..... lb. .14¼ - —
50-55% sulphonic content, ret. dms., c.l., works. lb. .13¾ - —
l.c.l., works ..... lb. .14¼ - —
tanks, works ..... lb. .12¼ - —
Phenobarbital, USP, dms., 100 lbs. lb 4.00 - 4.35
Phenobarbital-sodium, USP dms lb. 4.00 - 4.10
Phenol, 90-92% (cresol, 8-10%), dms., c.l., frt. alld. and frt. equald. E. of Rockies. lb. .1450 - —
l.c.l., same basis ..... lb. .1525 - —
tanks, same basis ..... lb. .1275 - —
82-84% (cresol, 16-18%), dms., c.l., same basis. lb. .1450 - —
l.c.l., same basis ..... lb. .1525 - —
tanks, same basis ..... lb. .1275 - —
USP, synthetic, dms., c.l., same basis. lb. .15¼ - .17¼
l.c.l., same basis ..... lb. .16 - .18
tanks, same basis ..... lb. .13½ - .15½
tar distilled, dms., c.l., same basis. lb. .15¼ - —
l.c.l., same basis ..... lb. .16 - —
tanks, same basis ..... lb. .13½ - —
Phenolphthalein, USP or yellow, bbls., dms., 2,000 lbs. lb. 1.00 - —
smaller lots ..... lb. 1.02 - 1.07
Phenothiazin, NF, fib. dms., 18,000 lbs., frt. adjusted lb. .44 - —
smaller lots, frt. adjusted lb. .46 - —
Phenylacetaldehyde solution, 50%, bots. lb. 2.45 - 2.70
100%, bots ..... lb. 4.00 - 4.75
Phenylacetamide, 125-lb. dms., works, lb. lots lb. 1.25 - —
smaller dms ..... lb. 1.30 - 1.60
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Salicylate (see Salol).
Phenylalanine dextro laevo, dms., works lb. 30.00 -37.50
Phenyldiethanolamine, dms., c.l., works lb. .35½ - —
l.c.l., works ..... lb. .35 - .36½
Phenylethanolamine, dms., c.l., works lb. .67½ - —
l.c.l., same basis ..... lb. .68½ - —
Phenylethyl acetate, dms ..... lb. 1.35 - 1.85
Phenylethylphenyl acetate, bots. lb. 3.75 - 4.20
Phenylhydrazin base, CP, bots ... lb. 3.00 - 3.07
Hydrochloride, commercial, kgs., works lb. 1.75 - —
CP, bots., works ..... lb. 5.12 - —
Phenylmethylpyrazolone (see Methylphenylpyrazolone).
Phloroglucinol, CP, fib. dms. works. lb. 13.75 -15.75
commercial fib. dms., works .... lb. 5.50 - 7.00
tech., fib. dms., works ..... lb. 9.65 -10.75
Phosgene, 150-lb. cyls., works ... lb. .20½ - —
Phosphate, defluorinated (see under D)
Phosphate rock, Curacao, Atlantic ports. ton. 35.00 - —
Florida, land pebble, run-of-mine, washed, dried, unground, 68-66%, b.p.l., bulk, c.l., car at mine. long ton. 3.755 - —
70%-68%, b.p.l., c.l., same basis. long ton. 4.155 - —
72%-70%, b.p.l., c.l., same basis. long ton. 4.305 - —
75%-74%, b.p.l., c.l., same basis. long ton. 5.805 - —
77%-78%, b.p.l., c.l., same basis. long ton. 6.905 - —
finely ground, 65% b.p.l., basis 30% P_2O_5 minimum ..... short ton. 4.92 - —
68%, b.p.l., basis 31% P_2O_5 minimum short ton. 5.28 - —
70%, b.p.l., basis 32% P_2O_5 minimum short ton. 5.82 - —
plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations.
Tennessee, brown, run-of-mine, unground, 27-28% P_2O_5 .... long ton. 6.45 - —
30-29% P_2O_5 ..... long ton. 7.21 - —
Phosphorus red, amorphous, cs. lb. .33 - .36
tins, export ..... lb. .34 - .37
Yellow, cns. ..... lb. .30 - .37
dms., c.l. ..... lb. .26 - —
Oxychloride, dms., works ..... lb. .13 - .16
Pentasulphide, dms., c.l., works lb. .11 - —
l.c.l., dms., works ..... lb. .12 - .13
Pentoxide, dms., c.l., works .... lb. .12 - —
l.c.l., works ..... lb. .13 - .14
Sesquisulphide, tins, cs., works. lb. .23 - .29
dms., export ..... lb. .33½ - .36
Trichloride, dms., c.l., works .. lb. .13 - —
l.c.l., works ..... lb. .14 - .17
Phthalic anhydride, bgs., c.l., works, frt. equald. lb. .17½ - —
l.c.l., same basis ..... lb. .18½ - —
Bbls. ½c. per pound higher.
Phthalimide, bbls., works ..... lb. 1.10 - 1.37
Pichi leaves, bgs ..... lb. .08 - .10
Picoline (see Alphapicoline and Betapicoline).
Pilocarpine hydrochloride, NF, bots., vials .. oz. 5.25 - —
Nitrate, USP, bots., vials ..... oz. 5.20 - —
Pimento, Jamaica, bgs ..... lb. .21½ - .22
Pinetar, retort, dms., incl., c.l., works, South .. lb. .045 - —
l.c.l., same basis ..... lb. .0473 - —
whse., N.Y.C. ..... lb. .0595 - —
tanks, works, South ..... lb. .035 - —
Pinkroot, bls. ..... lb. 1.55 - 1.65
Piperidine, 95%, tins, frt. equald. lb. 1.65 - —
98%, dms., same basis ..... lb. 1.75 - —
Piperazine hexahydrate, bots .. kilo 12.50 -13.25
Pipsissewa herb (see Prince's pine).
Pitch, burgundy, dms. incl., 20 or more dms., works, South. 100 lbs. 7.16 - —
whse., N. Y. C. .... 100 lbs. 8.08 - —
5 to 19 dms., works, South .. 100 lbs. 7.36 - —
whse., N. Y. C. .... 100 lbs. 8.28 - —
1 to 4 dms., works, South .. 100 lbs. 7.81 - —
whse., N. Y. C. .... 100 lbs. 8.53 - —
Coaltar, 150° F. m.p., bbls., c.l., works. ton. 34.00 - —
l.c.l., works ..... ton. 36.00 -37.00
Cottonseed, dms., works ..... lb. .05 - .07
Hardwood, paper bgs., c.l., works. lb. .02 - —
Linseed, dms. ..... lb. .06 Nom.
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms., ex whse., East 100 lbs. 4.67 - —
Soybean, dms., works ..... lb. .04½ - .05
Plaster of paris (see Gypsum).
Platinum metal, works ..... oz. 74.00 -77.00
Pokeroot, bls ..... lb. .13 - .14
Pleurisy root, bls ..... lb. .25 - .26
Podophyllin, NF dms ..... lb. 12.45 - —
Polystyrene, colors, special, bgs., over 30,000 lbs., frt. alld lb. .30 - .31
20,000-29,999 lbs., same basis lb. .31 - .31½
10,000-19,999 lbs., same basis lb. .31½ - .32
200-9,999 lbs., same basis lb. .32 - .32½
standard, bgs., over 30,000 lbs., same basis lb. .31 - —
20,000-29,999 lbs., same basis lb. .31 - —
10,000-19,999 lbs., same basis. lb. .31½ - —
200-9,999 lbs., same basis lb. .31½ - —
crystals, heat-resistant, bgs., over 30,000 lbs., same basis lb. .27 - .28½
20,000-29,999 lbs., same basis lb. .28 - .29½
10,000-19,999 lbs., same basis lb. .29 - .30½
200-9,999 lbs., same basis lb. .29 - .30½
standard, bgs., over 30,000 lbs., same basis lb. .27 - —
20,000-29,999 lbs., same basis lb. .28 - —
10,000-19,999 lbs., same basis lb. .29 - —
200-9,999 lbs., same basis lb. .29 - —
Polystyrene in non-returnable fiber dms., ½c. per lb higher.
Pomegranate root bark, bgs ..... lb. .68 - .70
Poppy flowers, bls ..... lb. .50 - 1.05
Seed, Czech, bgs ..... lb. .14 Nom.
Dutch, bgs ..... lb. .16 - .16½
Polish, bgs ..... lb. .15½ - .16
Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works .. 100 lbs. 10.00 - —
l.c.l., works ..... 100 lbs. 10.75 - —
liquid, 45% dms., c.l., works, 100 lbs. 4.625 - —
l.c.l., works ..... 100 lbs. 5.125 - —
tanks, works ..... 100 lbs. 4.30 - —
solid, 90% dms., c.l., works, 100 lbs. 9.40 - —
l.c.l., works ..... 100 lbs. 10.15 - —
regular, flake, 88-92%, dms., c.l., works .. 100 lbs. 8.50 - —
l.c.l., works .... 100 lbs. 9.25 - —
liquid, 45% basis, dms., c.l., works .. 100 lbs. 3.875 - —
l.c.l., same basis 100 lbs. 4.65 - —
tanks, same basis ... 100 lbs. 3.55 - —
solid, 88-92%, dms., c.l., works, 100 lbs. 7.90 - —
l.c.l., same basis, works, 100 lbs. 8.65 - —
Potassium abietate, dms ..... lb. .68 - —
Acetate, dms ..... lb. .31 - .36
Bicarbonate, USP, gran, dms lb. .20 - .22
powd., dms ..... lb. .22 - .24
Bichromate, bgs., works ..... lb. .13¼ - .14¼
Potassium bichromate in drums, ½c. higher.
Bitartrate (see Cream of tartar).
Borate, gran., bbls., c.l., works. ton. 192.00 - —
ton lots, works ..... ton. 245.50 - —
less ton lots, works ton. 250.50 - —
Bromate, bbls., 1,000 lbs. or more lb. .48 - —
25-200-lb. lots ..... lb. .60 - —
Bromide, USP, cryst., gran., bbls., kgs lb. .33 - .34
Carbonate, tech., calcined, bbls., c.l., works .. 100 lbs. 8.25 - —
l.c.l., same basis .. 100 lbs. 9.30 - —
hydrated, 83-85% bbls., c.l., works .. 100 lbs. 6.75 - —
dms., l.c.l., works .. 100 lbs. 7.50 - —
USP, gran., bbls. dms .... lb. .16½ - .18
powd., bbls., dms ..... lb. .21 - .23
Chromate, tech., bgs ..... lb. .25 - .29
Chlorate, cryst., dms., c.l., works. lb. .089 - —
l.c.l., works ..... lb. .0915 - .1015
powd., dms., c.l., works..... lb. .094 - —
l.c.l., works ..... lb. .0965 - .1065
export, dms., 1 to 10 tons, ex whse lb. .12 - —
NF, gran dms lb .31 - .33
Chloride, USP, cryst., dms ... lb. .26 - .27
gran., bbls ..... lb. .20 - .22
powd., bbls ..... lb. .29 - .32
Citrate, USP, gran., dms ..... lb. .37½ - .38½
powder, dms. ..... lb. .40½ - .41½
Cyanide, dms., works ..... lb. .52½ - .55
Fluoride, dms., works ..... lb. .24 - —
Gluconate, dms. ..... lb. .75 - .79
Glycerophosphate, 75% solution, cbys lb. 2.05 - 2.20
Guiacol sulphonate, NF dms lb. 1.80 - 1.85
Hydroxide, tech. (see Potash, caustic).
USP, pellets, jars ..... lb. .33 - —
Hypochlorite, liquid, cbys., dms., works .. 100 lbs. 3.50 - —
Hypophosphite, NF, ton lots and less, fib. dms lb. .90 - .93
Iodide, dms ..... lb. 1.95 - 1.98
Manure salt, 22% K_2O, bulk, mines unit-ton. .21 - —
Metabisulphite, gran., bbls .. lb. .21 - —
powd., bbls lb. .25 - —
Muriate, dom., 60% K_2O, bulk, Carlsbad, N.M. .. unit-ton. .40 - —
Trona, Cal. ..... unit-ton. .48½ - —
Nitrate (see Saltpeter).

Tremendous
trifle

HOW INFINITELY small the cost of reagent chemicals—when so much depends upon their use!

THE PURITY of a few crystals, a touch of powder, or a drop of liquid may spell the difference between success or failure of a vital experiment ... or even an entire production schedule.

IN WORK where "trifles" have such magnitude, it doesn't pay to compromise in your choice of chemicals. That is why so many careful chemists always *specify Baker & Adamson Reagents* ... the reliable, *premium quality brand* which has set the pace in chemical purity since 1882.

IN YOUR LABORATORY, be sure every time. *Specify "B&A" Reagents!*

REAGENTS B&A STANDARD OF PURITY FINE CHEMICALS

BAKER & ADAMSON *Reagents*

GENERAL CHEMICAL DIVISION
ALLIED CHEMICAL & DYE CORPORATION
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SETTING THE PACE IN CHEMICAL PURITY SINCE 1882
* Complete stocks are carried here.

Potassium oxalate, neutral, tech., fine gran., bbls., dms. lb. .30 - .32
purified, dms lb .42 - 44
Perchlorate, dms., l.c.l. lb. .14 - .15
kgs., c.l., works lb. .13½ -
Permanganate tech., dms., works, lb. .21¾ 22¾
USP dms., works lb. .23½ .24
ex whse lb. 29 —
Persulphate, dms., c.l., works lb. .17 - —
l.c.l. works lb 21 —
Phosphate tetrabasic, bbls., wks, lb. .13 - .13½
Prussiate, red, kgs lb. .60 - .63
yellow, bbls lb .21 —
kegs lb. 26 —
Ricinoleate, tech., bbls lb. .11 - —
Silicate, glass, bgs., c.l., wks ton.200.00 - —
l.c.l. 100 lbs.15 25 - —
solution, 29° Be. ret. dms., c.l., works 100 lbs. 4 25 - —
l.c.l. 5 or more works. 100 lbs. 5.00 - —
1-4 works 100 lbs 5.50 - —
62° Be, net, dms., c.l., works. 100 lbs. 4.75 - —
l.c.l. 5 or more works. 100 lbs. 5.50 - —
1-4 works 100 lbs. 6 00 - —
40.5° Be. ret. dms., c.l., works. 10 lbs 5.75 - —
l.c.l. 5 or more works. 100 lbs. 6.50 - —
1-4 works 100 lbs. 7.00 - —
Silicofluoride bbls works lb 07 08
Sulphate, agricultural, dom., bulk, basis 90-95% K_2SO_4, min., 90%, works ton.34.50 - —
NF, cryst., bbls. lb 31 .33
gran. dms lb. .18½ —
powder, dms lb. .16 - .16½
Sulphocyanide, cryst., NF (see Potassium thiocyanate).
Potassium thiocyanate, NF, cryst., dms. lb. .75 - .81
tech. works lb. 45 .50
Titanate, ctns, c.l., works lb. 12 —
5 tons, works lb. .12¼ -
1 ton or less, works lb. .12½ - .12¾
Potassium-magnesium sulphate, bulk, min., 40% K_2SO_4, 18-50% MGO, works ton.15.20 - —
Potassium-sodium tartrate (see Rochelle salt).
Potassium-titanium fluoride, fib. dms., works lb. .45 - .55
Potassium-titanium oxalate bbls., kgs lb. .63 .70
Potassium-zirconium fluoride, fib. dms. c.l., works lb. .50 —
l.c.l., works lb. .52½ - .53
Pregnenolone gm. 4.00 - —
Acetate gm. 4.00 - —
Prickly ash bark, bls lb. .23 .25
Berries, bgs lb. .55 75
Prince's pine herb, bls lb. .45 - .50
Procaine hydrochloride, USP, dms., contract, 1,000 lbs. or more, works lb. 3.75 - 4.50
spot, 1,000 lb. lots lb. 4.50 —
smaller lots lb. 4.00 5.00
Progesterone, USP, 100 gms gm. 4.50 - —
Propane commercial grade, tanks, group 3 gal. .02¼ - —
Propionaldehyde, dms. c.l., works lb. 28½ - —
l.c.l., works lb. .29½ - —
tanks, works lb .25 —
Propyl aldehyde (see Propionaldehyde)
Parahydroxybenzoate, USP, dms lb 2.30 2.40
Propylene dichloride, dms., c.l. lb. .08½ - —
l.c.l. lb .09½ —
smaller containers lb. .12½ - —
tanks lb. .07 - —
Propylene oxide, dms., c.l., frt. alld. E lb. .18½ - —
l.c.l., frt alld. E lb .19½ - —
tanks, frt. alld. E lb. .16½ - —
Propyleneglycol NF, dms., c.l., frt. alld. E lb. .17½ - —
l.c.l., same basis lb. .18½ - —
tanks, same basis lb. .16 - —
tech., dms., c.l., frt. alld. E lb. .16½ - —
l.c.l. same basis lb. .17½ - —
tanks, same basis lb. .15 - —
Propyleneglycol methylether, dms., c.l., frt. equald. lb. .18 - —
l.c.l., same basis lb. .18½ - —
tanks, same basis lb .16½ - —
Propylthiouracil, bots., 50 kilos or more kilo.55.00 - —
smaller lots lb.55.10 -55.30
Psyllium seed, black, bgs. lb. .17 - .18
blonde, bgs. lb. .14 - .16
husks, bgs lb. .45 - .47
Pulsatilla herb bls lb. .45 .50
Pumice, dom., grd., course, 0, 1, 1½, 2, 3 bgs., ton lots, lb. .03¾ - .04
Chicago, bgs., ton lots lb. .04½ - —
smaller lots lb. .03¾ - .04¼
Italian, silk-screen, coarse bgs., ton lots lb. .05½ - —
fine, bgs., ton lots lb. .04 - —
sun dried, coarse, bgs., ton lots lb. .02½ - —
fine, bgs., ton lots lb. .02½ - —
Pumice in bbls is ½c. per lb higher.
Pumpkin seed, bgs lb. .18 .26
Purple lake (see Red).
Pyrethrum concentrate, dewaxed, 20%; for aerosol bombs, dms., works lb 11.00 -11.50
liquid (20 to 1), basis 2 grams pyrethrins, per 100cc., odorless base, dms., works gal. 9.50 - —
regular base, dms., works. gal. 9.40 - —
(30 to 1 base, 3 grams, pyrethrins, per 100cc, odorless base; bbls., works gal.14.15 - —
regular base, dms., works. gal.14.05 - —
flowers, fine-grd., 0.9% pyrethrins, bbls., works lb. .42 - .44
powder, 1.3% pyrethrins, bbls., works lb. .56 .65
Pyrethrin, synthetic (see Allethrin)
Pyridin, denaturing, dms., works, and frt. equald., c.l gal. 2.00 2.69
l.c.l gal. 2.00 2.72
refd., 2°, non ret. dms., c.l., same basis lb. .79½ - —
l.c.l., same basis lb. .80 - —
Pyridoxine hydrochloride, 100-gram lots gram. .53 - —
Pyrites, Spanish, c.i.f. Atl. ports long-ton. 8.00 - —
Pyrocatechin (see Catechol).
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines ton.11.00 -11.50
230 mesh, bulk, c.l., mines ton.12.00 -12.50
325 mesh, bulk, c.l., mines ton.13.00 —
No. 3, 200 mesh, bulk, c.l., mines, ton. 9.50 - —
insecticide grade, 200 mesh, bgs., c.l., mines ton.12.00 -12.50
rubber grade 140 mesh bgs., c.l., mines ton.10.00 -10.50
Pyrophyllite in paper bgs., $3 to $3.50 per ton extra.

Pyroxylin, USP, bots. lb. 9.54 - —
Scrap, opaque, amber, cs., works. lb. .17 - —
black, cs., works lb. .14 - —
gray, cs., works lb. .13 - —
mixed, mottled, cs., works. lb. .12 - —
white, china, ivory, cs., works. lb. .17 - —
dense, cs., works lb. .16 - —
translucent, pastels, cs., works, lb. .17 - —
transparent, colorless, cs., works. lb. .19 - —
colors, cs., works lb. .17 - —
shavings, opaque, amber, cs., works lb. .14 - —
mixed, colors, cs., works. lb. .14 - —
white, cs., works lb. .17 - —

Q

Quassia chips, bls lb. .08 - .09
Quebracho extract, clarified, grd., 70% tannin, bgs. c.l., lb. .14¾ - .15
liq., 35% tannin bbls., works, lb. .08 .08½
tanks, same basis lb. .07½ -
clarified, solid, 64% tannin, bgs., c.l., duty extra lb. .09 - —
powd., 70% tannin bgs., c.l lb. .15½ -
ordinary, solid, 63% tannin, bgs., c.l., ex-dock, duty extra lb. 08½ -
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.
Queen of the meadow root bgs lb 14 15
Quercitron crystals, bbls., l.c.l lb .33½ —
Extract liquid bbls., l.c.l lb 14½ —
solid bxs lb 28 —
Quicksilver, flasks (76 lbs.) net, 100 flask lots flask.70.00 - —
smaller lots flask.73.00 -75.00
Quince seed, bgs lb .90 - 1.50
Quinidine, NF V, cryst., cns oz. 1.90 —
powd., precip., cns oz. 1.85 —
Sulphate, USP, cns oz. 1.25 - —
Quinine, NF, cns., 100 ozs oz. .70 - —
Bisulphate, USP, cns., 100 ozs oz. .51 - —
Dihydrochloride, USP oz. 70 - —
Ethylcarbonate, NF, cns., 100 ozs. oz. 73 - —
Hydrobromide, NF, cns. 50-oz. cns. oz. .63 - —
Hydrochloride, USP, cns., 100 ozs. oz. .63 - —
Phosphate, NF, cns. 100 ozs oz. 76 - —
Salicylate, NF, ctns., 100 ozs oz. .66 - —
Sulphate, USP cns., 100 ozs oz. 56½ - —
Quinine-urea hydrochloride, NF, cns lb. .68 —
Quinolin, dms., c.l., frt. equald lb. .50¾ - .51¼
l.c.l., same basis lb. .51¼ - .51¾
tanks, same basis lb. .50 - —

R

R salt, paste, dry basis, dms. lb 70 75
Raspberries, dried, bbls lb. 1.60 - 1.70
Red, alizarin lake, bbls, dlvd. N of Tenn. and N. C., E. of Miss. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb 1.45 2.25
Prices ½c. per lb higher dlvd Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.), (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph. 1.6c. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd Denver, Pueblo, Salt Lake City, Wichita

Potassium, Oxalate—Red, Iron Oxide

Red, cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies lb. 3.80 - —
light shade, bbls., same basis. lb. 3.65 - —
medium shade, bbls., same basis lb. 3.75 - —
medium-light shade, bbls., same basis lb. 3.70 - —
orange shade, bbls., same basis lb. 3.30 - —
lithopone, deep shade, bbls., same basis lb. 1.45 - —
light shade, bbls., same basis. lb. 1.30 - —
maroon shade, bbls., same basis lb. 1.55 - 1.65
medium shade, bbls., same basis lb. 1.40 - —
medium-light shade, bbls., same basis lb. 1.35 - —
orange-red shade, bbls., same basis. lb. 1.25 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb higher ex whse Los Angeles and San Francisco.
Carmine, No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works lb 1.40 - —
Indian, dom., pure, bgs., Bethlehem Easton, E. St. Louis, N Y lb 11½ 11¾
Iron oxide, synth., bgs. lb. .11¾ - .12
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O.; Easton, Pa.; E. St. Louis lb .05¼ .09¼
special, high color, all shades lb. .60 - —

PUT YOUR PRODUCT IN THE NATIONAL SPOTLIGHT

Decorated to ATTRACT

Built to PROTECT

Designed to SELL

These sales-attracting metal containers have been designed, lithographed and manufactured by National Can for one of the nation's leading makers of toilet goods. They deliver full protection to a fine product and also provide a strong point-of-sale appeal. And the fact speaks for itself that National Cans have been ordered not for this product alone, but for other items in this manufacturer's line.

National Can offers lithography leadership not only for the drug and toilet goods industry, but for every field where a metal container must sell as well as protect a product.

With National Can you benefit from containers consistently made to rigid standards of accuracy and high quality. But that is just a part of a complete service which includes design, art, photography, color consultation as well as lithography. Consult National Can as to how the attractiveness, protection, and sales value of your containers can be improved.

6449

NATIONAL CAN CORPORATION

Executive Offices: 110 EAST 42nd STREET, NEW YORK 17, N. Y.

Sales Offices and Plants in: Baltimore, Md. • Indianapolis, Ind. • Chicago, Ill. • Maspeth, N. Y. • Hamilton, Ohio • Canonsburg, Pa. • Boston, Mass. • St. Louis, Mo.

Red, Lake C Toner Alizarin—Sodium Benzoate

Red lake C toner alizarin, bbls., works lb. 1.05 - —
Lithol toner, bbls., works lb. .65½- .80
Lithol-rubin toner, alizarin lake, bbls., works lb. 1.40 - —
Maroon, alizarin lake, 25%, kgs., works lb. .40 - .43
toner, bbls., works lb. 1.35 - 1.50
Cadmium, deep, bbls., works lb. 1.20 - —
regular, bbls., works lb 1.10 - —
Iron oxide, bgs., l.c.l., works lb. .04 - —
MNP, toner, kgs., works lb. 3.25 - —
Maroons in smaller pkgs., 5c. per lb higher
Mercury oxide, tech., bbls., 10,000 lbs., works lb. 2.00 - —
smaller lots, works lb 2.02 - —
Metallic, bbls., works lb. .02½- .02¾
Oxide (see Red, iron oxide).
Persian gulf, bgs., works lb. .06¾ .07
Para toner, bbls lb. .69½- .80
chlorinated, kgs lb. .95 1.05
concentrated alizarin lake, kgs., works lb. 80 - —
Phloxin toner (see Red, eosin toner).
Phosphotungstic, rhodamine Y, kgs., works lb 4.45 - —
Pink lake, alizarin, bbls., works lb. .20 .25
Purple lake, kegs lb. 1.35 - —
Rose lake, alizarin, bbls., works lb. .25 .28
Spanish oxide, grade 1, bbls., c.l., ex dock lb. .05½- .05¾
t.c.l., ex dock lb .05¾ .06
ex whse., New York lb. 06½ —
grade 2, bbls., c.l. ex dock lb 05¼ .05½
l.c.l., ex dock lb 05½- .05¾
ex whse., New York lb 06¼ —
Toluidin toner (3NPT), kgs., works lb 1.01 - 1.30

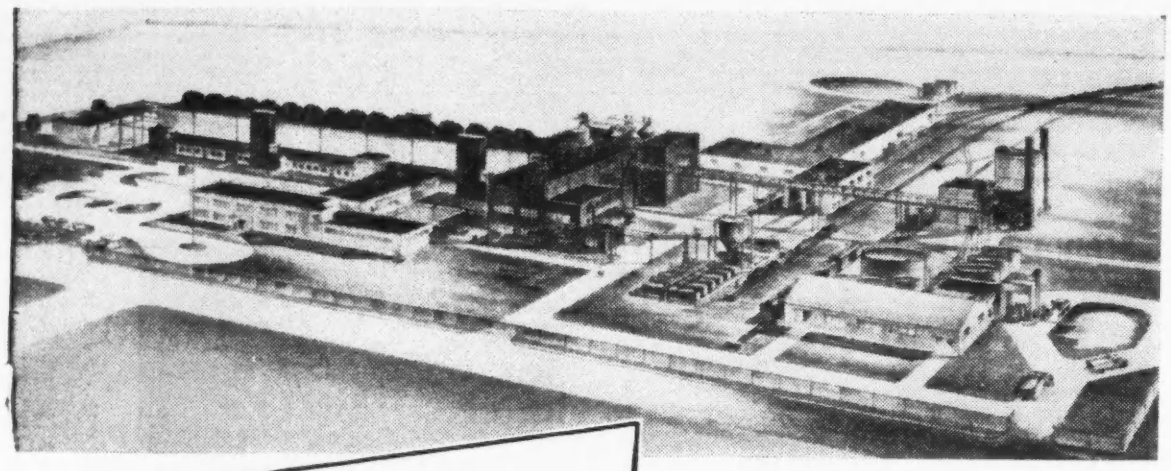
Red, Turkey, bbls., works lb. .14½- —
Tuscan, bbls., frt. equald lb. .24½- .35
Venetian, bbls., bgs., works lb. .0360- —
20%, bgs., works lb. .0360- —
25%, bgs., works lb. .0410- —
30%, bgs., works lb. .0440- —
35%, bgs., works lb. .0465- —
40%, bgs., works lb. .0490- —
Vermilion, Amer., bbls lb. .32 - —
Quicksilver, ctns lb. 2.27 - —
Red Precipitate, NF, powd., fib. dms lb. 2.19 - 2.21
Red saunders wood, powd., bbls lb. .50 - —
Rennin, NF lb. 6.50 - —
Resorcinol, resin grade, dms., c.l., works lb. .71 - —
l.c.l., works lb. .72 - —
tech., dms., c.l., works lb. .74 - —
l.c.l., works lb. .75 - —
USP, cryst., dms., works lb. 2.50 - —
powd., dms., works lb 2.70 - —
Monoacetate, NF, dms lb 3.25 - 3.45
Rhatany root, bgs lb. 15 - .16
Rhubarb root, China, whole, cs lb. .70 - .80
powd., bbls. lb. .80 - .90
India, whole, bgs lb. .55 - .60
powdered, bbls lb. .62 - .67
Riboflavin, USP, bots., dlvd kilo. 125.00 - —
Readily soluble, bots., dlvd kilo. 125.00 - —
Rice bran concentrate, dms. Cedartown, Ga lb. 79 - —
Rochelle salt, USP, gran., powd., dms., 5,000 lbs lb. .27½- —
smaller lots .28 - .33
Rose flowers, pale, bls lb. 35 - .40
Rosemary flowers, bls lb. 1.55 - 1.65
Leaves, French, bls lb. .12 - .12½
Portuguese, bls lo. .07 - .07½
Spanish, bls lb. .06½- .07

Rosin gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works 100 lbs. 3.50 - —
FF, dms., c.l., works 100 lbs. 4.60 - —
G, H, I, dms., c.l., works 100 lbs. 5.36 - —
K, dms., c.l., works 100 lbs. 5.36 - —
M, dms., c.l., works 100 lbs. 5.36 - —
N, dms., c.l., works 100 lbs. 5.41 - —
WG, dms., c.l., works 100 lbs. 5.41 - —
WW, dms., c.l., works 100 lbs. 5.46 - —
X, dms., c.l., works 100 lbs. 5.46 - —
Rotenone, CP, bbls., works lb. 20.00 - —
tech., works lb. 16.50 - —
Rottenstone, bgs., c.l., mines ton. 36.00 - —
l.c.l., mines ton. 43.00 - —
Rue herb, bls lb. .35 - .40
Rutin, 10 kilos, fib. dms gram. .03½- .04½
smaller lots, fib. dms gram. .04 - .05
Ryania, 100% powd., bgs., works lb. .20 - —

S

Sabadilla seed, powd., bbls lb. .70 - —
activated ground with lime, bbls lb. .40 - —
Saccharin, USP gran., soluble, dms., 1,000-lb. lots lb. 1.50 - —
smaller lots lb. 1.60 - 1.70
powd., soluble insoluble, dms., 1,000-lb. lots lb. 1.55 —
smaller lots lb. 1.65 - 1.85
Safflower, Egyptian, bls lb. .75 - .80
Saffron, Mexican, bls lb. .95 - 1.00
Spanish, USP, tins lb. 17.00 -18.00
Safrol, dms. lb. .85 - 1.10
Sage, Cyprus, bales lb. .12 - .13
Dalmatian, bls lb. 1.20 - 1.25
Greek, fancy, bls lb. .23 - .25
Spanish, bls lb. .12 - .12½
Syrian, bls lb. .18 - .18½
Sago flour, bgs lb. .0680- .07
Saligenin, ctns lb. 14.00 -25.00

Salol, NF, gran., bbls., kgs lb. 1.00 - —
fib. dms lb. 1.02 - 1.03
powdered salol, 10c. higher
Salt, rock, burlap bgs., c.l. 100 lbs. .98 - —
l.c.l. 100 lbs. 1.19 - 1.22
paper bgs., c.l. 100 lbs. .88 - —
l.c.l. 100 lbs. 1.09 - 1.12
Table, vacuum, common, fine, bgs., c.l., works 100 lbs. 98 - 1.08
t.c.l., dlvd. 100 lbs. 1.20 - 1.33
Saltcake, dom., bulk, dlvd, 100% Na_2SO_4 basis ton. 22.00 - —
Saltpeter, cryst., bbls., 10 tons, 100 lbs. 13.90 - —
smaller lots 100 lbs. 14.15 -14.40
gran., bbls., 20 tons 100 lbs. 9.25 - —
smaller lots 100 lbs. 10.50 -11.00
powd., bbls., 20 tons 100 lbs. 10.25 - —
smaller lots 100 lbs. 11.50 -12.00
NF, gran., dms lb. .15¾- .17¾
Saltpeter in bags, 25c. per 100 lbs. less than in barrels; in kegs, $1 more.
Sandalwood chips, East Indies, bgs., lb. .65 - .66
powd., dms. lb. .75 - .76
Sanguinarine nitrate, bots oz. 4.75 - 5.50
Santonin, NF, cryst., powd., cns. kilo. No stocks.
Saponin No. 1, cns lb. 2.45 —
Sarsaparilla root, dom., bls lb. .30 - .40
Honduras, bls. lb. .40 - .45
Mexican, bls. lb. .28 - .30
Sassafras bark, ord., bls lb. .35 - .40
select, bls lb. .50 - .55
Savory, French, bls lb. .10 - .10½
Spanish, bls lb. .10 - .10½
Saw palmetto berries, bgs. lb. .23 - .24
Scammony resin, lump, cns lb. 1.95 - 2.20
powd., cns. lb. 2.05 - 2.30
Root, bgs lb. .11 - .14
Schaeffer's salt, bgs lb. .66 - —
Scopolamine hydrobromide, bots oz. 16.00 -17.00
Hydrochloride, bots oz 84.00 —
Seidlitz mixture, bbls. 5,000 lbs lb. .25¾- —
smaller lots lb. .26¼- —
dms., 100 lbs. or less lb. .27¼- .31¼
Selenium, powd., ens., 10-lb lots lb. 2.35 - —
cs., 1,000-lb lots lb. 2.25 - —
Senega root, bls lb. 1.55 - 1.65
Senna leaf, Alex., half-leaf, bls lb. .16 - .18
sifting, bgs. lb. .16 - .18
Tinnevelly, No. 1, bls lb. .15 - .17
No. 2, bls lb. .14 - .19
No. 3, bls lb. .10 - .11
powdered, bls., bxs. lb. .16 - .22
Pods, bls lb. 12 15
Serpentaria root, bls lb. 2.20 Nom.
Sesame seed, Chinese, white, natural, bgs. lb. .11½- .12
hulled, bgs. lb. .16½- .17
Nicaragua, hulled lb. .20 - .24
natural, bgs., afloat lb. .13 - .13¼
Salvadorean lb. .13 - .13½
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .46½- —
bbls., 1,500-lb. lots lb. .47 - —
kgs., 1,500-lb. lots lb. .49 - —
refined, bgs., 1,500-lb. lots lb. .56½- —
bbls., 1,500-lb. lots lb. .57 - —
kgs., 1,500-lb. lots lb. .59 - —
Bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.
Lemon, No. 1, bgs lb. .43 - .44
No. 2, bgs lb. .41 - .42
Superfine, bgs., 10 bgs lb. .39 - .40
TN, bgs., 10 bgs lb. .37 - .38
Shellac in 1 to 9 bgs., 1c. more.
Silica amorph., dry-grd., 325 mesh, bgs., c.l., lll. works ton. 20.00 -30.00
t.c.l., works ton. 25.00 -40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works ton. 20.00 - —
t.c.l., works ton. 25.00 - —
140 mesh, bgs., c.l., works ton. 12.00 - —
t.c.l., works ton. 17.00 - —
Tetrachloride, tech., dms., c.l., works lb. .14½- —
t.c.l., works lb. .18½- .20½
Silver bullion, ingots, cs oz. .72¾- —
Cyanide, fib. dms., 2,500-oz. lots, oz. .66⅜- —
1,000-oz. lots oz. .66⅝- —
500-oz. lots oz. .66⅞- —
100-oz lots oz. .67⅛- —
Nitrate, CP, cryst., bots., 2,500-oz. lots oz. .46½- —
1,000-oz. lots oz. .47¾- —
500-oz. lots oz. .48½- —
250-oz. lots oz. .48¾- —
USP granular silver nitrate, 4c. per oz. higher
Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. .85 - —
strong, NF bots., dms., 1,000-oz. lots oz. .80 - —
Simaruba bark, bls lb. .25 Nom.
Skullcap herb, Eastern, bls lb. .60 - .65
Western, bls lb. .30 - .35
Skunk cabbage root, bls lb. .30 - .35
Slate flour bgs. c.l. works ton. 11.00 -12.00
l.c.l. ex whse ton. 20.60 -60.00
Sloe berries, bgs lb. .32 .35
Smalt, black, ctns lb. .11½- —
Blue, ctns lb .15½- —
Snakeroot, Canada bls lb. .40 .45
Soapbark, bls lb .22 .23
crushed, bls., bbls lb. .26 - .28
cut, foreign, bbls lb. .25 .26
powd., bbls. lb. .27 - .28
Soda ash, dense, 58%, paper bgs., c.l., works 100 lbs. 1.45 - —
l.c.l., stock points 100 lbs. 2.85 - 4.62
bbls., c.l., works 100 lbs. 1.95 - —
l.c.l., stock points 100 lbs. 3.35 - 5.12
bulk, c.l., works 100 lbs. 1.20 - —
light, 58%, paper bgs., c.l., works 100 lbs. 1.35 - —
l.c.l., stock points 100 lbs. 2.75 - 4.52
bbls., c.l., works 100 lbs. 1.85 - —
l.c.l., stock points 100 lbs. 3.25 - 5.02
bulk, c.l., works 100 lbs. 1.10 - —
Caustic, flake, powd., 76%, dms., c.l., works 100 lbs. 3.60 - —
l.c.l., stock points 100 lbs. 4.95 - 6.77
liquid, 50%, sellers' tanks, works, dry basis 100 lbs. 2.40 - —
rayon-type, tanks, works, dry basis 100 lbs. 2.50 - —
70%, sellers' tanks, works, dry basis 100 lbs. 2.50 - —
rayon-type, tanks, works, dry basis 100 lbs. 2.60 - —
solid, 76%, dms., c.l., works, 100 lbs. 3.20 - —
l.c.l., stock points 100 lbs. 4.55 - 6.42
Sal, bgs., c.l., ex car 100 lbs. 1.58 - —
l.c.l., bgs., ex whse 100 lbs. 1.78 - —
Soda-lime, USP, dms lb. .23 - .25
Sodium acetate anhyd., dms., works lb. 10 .11½
NF, cryst., bbls., works lb. .16 - —
powder, bbls., works lb. .08 .09
Alginate, refined, water soluble, bbls., works lb. .79 - —
semi-refined, bbls., works lb 46 —
NF white, powd., dms., works, ton lots lb 1.25 - —
Aluminate, 20,000 lbs. or more, bgs 100 lbs. 8.50 - —
under 20,000 lbs. works 100 lbs 9.50 —
Antimoniate, bbls., c.l., dlvd. E lb. .23¼- —
t.c.l., dlvd. lb. .24¼- —
Arsenate, dealers, dms., c.l., works, lb. .12 - —
Arsenite, dealers, dms., works lb. 13¼ 14½
solution, dms., works gal. .60 1.00
Benzoate, tech., bbls., dms., 100 lbs. or more lb. .39 —
USP, bbls., dms., 100 lbs. or more lb. .46 —
smaller lots lb 1.30 1.65



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sodium
available
for immediate
delivery

National Distillers Chemical Corporation's new plant at Ashtabula, Ohio, is now operating and producing sodium metal of the highest purity.

Our production, research and technical service personnel offer experienced assistance in all matters of handling and use of sodium.

Inquiries relating to sodium will receive our prompt attention.

NATIONAL DISTILLERS CHEMICAL CORPORATION

NATIONAL DISTILLERS CHEMICAL CORPORATION

EXECUTIVE OFFICES: 120 BROADWAY, NEW YORK 5, N. Y.
RESEARCH LABORATORY: CINCINNATI, OHIO
PLANT: ASHTABULA, OHIO

Sodium bicarbonate, USP, gran., bgs., c.l., works..100 lbs. 2.25 - —
l.c.l., works .....100 lbs. 3.00 - —
powd., bgs., c.l., works 100 lbs. 1.95 - —
l.c.l., works .....100 lbs. 2.60 - —
Bichromate, bgs., works..... lb. .09¾- .10¼
Sodium bichromate, in drums, ¾c. higher.
Bifluoride, bbls., c.l., works, frt. equald lb. .13¼- —
l.c.l., same basis ..... lb. .13½- —
Bisulphate, bulk, c.l., works 100 lbs. 1.75 - —
dms., c.l., works ..... 100 lbs. 2.40 - —
l.c.l. works 100 lbs 2.90 - —
Bisulphite, powd., bgs., c.l., works. 100 lbs. 3.75 - —
l.c.l., works 100 lbs. 4.00 - —
solut. 35° bbls., c.l., works.. 100 lbs. 1.10 - —
l.c.l. works 100 lbs 1.50 - —
Borate (see Borax).
Bromide, USP, bbls., kgs., works. lb .33 - .34
Cacodylate, NF, jars, dms lb. 7.00 - 8.00
Carbonate, anhydrous (see Soda ash).
crystalline, monohydrated, bgs., c.l., works..100 lbs. 2.55 - —
l.c.l., works .....100 lbs. 2.75 - —
Chlorate, cryst., dms., c.l., works. lb. .08 - —
l.c.l., works ..... lb. .08¼- —
powd., kgs., works .....lb. .09½- —
Chloride, tech. (see Salt).
USP., dms .....lb. .21 - —
Chlorite, tech., dms. works lb. 75 —
Chloroacetate, tech. dms., c.l., works lb. .20 —
l.c.l. dms. works ..... lb .21 .22
Chromate, dms., works.....lb. .11½- .12½
Citrate, anhyd, dms. .....lb. .60 .65
USP VIII, dms .....lb. .21½ .26½
USP XIII, gran., dms .....lb. .28 - .32
Sodium citrate USP XIII, powd., prices ½c. higher
Cyanate, dms., 1,000 lbs., works. lb. 1.10 - —
smaller lots, works ..... lb. 1.25 - —
Cyanide, 96-98%, dms lb. .16 .18
Diacetate, 33-35% acidity, bbls., works lb. .11½- .12½
anhydrous, dms. works lb. .14 .15½
Fluoride, white, 90%, bbls., c.l., works. lb. .10½- —
l.c.l., works ..... lb. .10¾- .11
95%, bbls., c.l., works ..... lb. .10¾- —
l.c.l., works ..... lb. .11 - —
Fluoracetate, monobasic, 8-oz. tins, 50 to a case, works lb.12.00 - —
2 to 25 tins to case, works lb.12.00 -16.50
1 oz. tins, 16 to 64 to case, works lb.16.50 -21.00
tribasic, ton lots ..... lb.11.00 - —
Formate, bgs. c.l., dlvd....100 lbs. 7.10 - —
l.c.l. .. 100 lbs. 8.15 - —
Gluconate, dms. lb. .83 .85
Glutamate, monobasic, dms., c.l., dlvd lb. 1.53 - —
smaller quantities, dlvd lb. 1.54 - 1.56
Glycerophosphate, NF, flake, bbls. lb. 1.65 - 1.90
powder, bbls. ..... lb 1.70 1.85
solution, 75% cbys ..... lb .96 1.06
Hydride, dms., works ..... lb. 2.00 - 3.00
Hydrosulphide (see Sodium sulphydrate).
Hydrosulphite, dms., c.l., frt. alld. lb. .21 - —
l.c.l., frt alld ..... lb. .21½- .23½
Hydroxide, tech. (see Soda, caustic).
USP pellets, dms lb .23 —
Hypophosphite, NF, ton lots and less, dms lb. .85 - 88
Hyposulphite, tech., cryst., bgs., c.l., works, frt. equald 100 lbs. 3.75 - —
l.c.l., same basis ..100 lbs. 4.10 - —
pea, bgs. .....100 lbs. 3.90 - 4.35
gran., bgs., c.l., metro area . 100 lbs. 4.00 - —
Sodium, hyposulphite, crystals in bbls., 50c. higher.
USP (see Sodium thiosulphate).
Iodide, USP, bots. dms lb. 2.47 2.59
Lactate, edible, 50%, dms., cbys., works lb. .19 - —
60%, dms., cbys., works lb. .22 - —
tech., 50%, dms., cbys., works. lb. .13 - .14
Metaborate, octa-hydrate, gran., bgs., c.l., works ton.70.00 - —
l.c.l., works ton.118.00 -123.00
tetrahydrate, c.l., bbls., works. ton.184.50 —
Sodium metaborate in bbls. $20 per ton higher
Metal, tanks, works ..... lb. .16 - —
bricks, dms., works..... lb. .17 - .18
Metanilate, bgs. ..... lb. .57 —
Metasilicate, anhyd., dms., c.l. 100 lbs. 4.25 - —
l.c.l., dms., works . 100 lbs. 5.75 - —
pentahydrate, bgs., c.l., works. 100 lbs. 3.50 - —
l.c.l., bgs., works..100 lbs. 3.90 - 6.40
bbls., c.l., works ..100 lbs. 3.90 - —
l.c.l., bbls., works..100 lbs. 4.30 - —
Molybdate, anhyd., works.....lb. .54 - —
Monohydrate (see Sodium carbonate, monohydrated).
Naphthionate, bbls ..... lb. .60 .68
Nitrate, crude, dom. bgs., c.l., works..ton.48.50 - —
bulk, c.l., works lb 45.00 - —
imp. 100-lb. bgs., c.l., Atl Gulf, Pac. whse ton.51.50 - —
bulk, c.l. same basis ton.48.00 - —
Nitrite, 90%, bbls., c.l., works, frt. equald..lb. .07¼- —
l.c.l., same basis.....lb. .08¾- —
USP dms. ....lb. .21 —
Orthosilicate, anhyd., dms., c.l., works 100 lbs. 5.25 —
l.c.l., same basis 100 lbs. 5.55 7.10
hydrated, flake bbls. c.l., works. 100 lbs. 4.25 —
l.c.l. works 100 lbs. 5.50 5.75
Oxalate, neut., bgs., works .... lb. .09½- —
Para-aminobenzoate, dms., 1,000 lbs. or more lb 3.50 - —
smaller lots ..... lb. 3.65 - —
Para-aminosalicylate, dms., 1,000 lbs. or more lb. 5.25 - —
smaller lots lb. 5.30 - 6.25
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald..lb. .21½- —
l.c.l. same basis lb .22½ .24½
pellets, bgs., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .22 .24
powd., bgs., c.l. same basis lb. .20 - —
l.c.l., same basis .... lb. .21 .23
Truckloads of pentachlorophenate of 20,000 lbs. min. available at ¼c. per lb. over carlot prices.
Perborate, USP, tech., bbls., c.l., works..lb. .18¾- —
l.c.l. works lb .19¼ —
Peroxide, dms., c.l., dlvd. E. of Miss lb. .18 - —
l.c.l., same basis lb. .18½ .19
Phenolsulphonate, USP IX, gran., dms lb. .38 .39
powd., dms lb. .41 .42
Phosphate, dibasic, anhydr., bgs., c.l., works..100 lbs. 6.75 - 7.00
l.c.l., works .. 100 lbs 7.25 7.50
cryst., bgs. c.l. works. 100 lbs. 4.00 - —
l.c.l., works ....100 lbs. 4.40 - —
USP, dried, powd., bgs., dms. works..lb. .19 - .20½

Sodium phosphate, monobasic, anhyd., bgs., c.l., works.... 100 lbs. 7.80 - —
l.c.l., works .....100 lbs. 8.20 - —
tribasic, cryst., bgs., c.l., wks., frt. equald..100 lbs. 3.90 - —
l.c.l., same basis..100 lbs. 4.30 - —
Sodium phosphates in bbls., 40c. higher than bgs
USP (see Sodium pnosphate dibasic)
Prussiate, yellow, bgs..... lb. .12½- —
Pyrophosphate, acid, bgs., c.l., works, frt. equald..100 lbs.10.50 - —
ferric, dms., 1,500 lbs., works. lo. .30 - —
smaller lots, works lb. .31 - —
tetrabasic, anhyd., bgs., c.l., works, frt. equald..100 lbs. 7.15 - —
l.c.l., frt. equald..100 lbs. 7.55 - —
Salicylate, USP, dms ..... lb. .59 - .62
Sesquicarbonate, bgs., c.l., works. 100 lbs. 1.95 - —
l.c.l., dlvd. zone 1.....100 lbs. 3.70 - 4.10
zone 2 .....100 lbs 3.96 4.36
zone 3 .....100 lbs 4.25 4.65
zone 4 ..... .100 lbs 4.96 5.35

Sales zones are: (1) All States E. of Miss. R. and N of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex. E. of 100°; S of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia. and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo (except St. Louis), Neb., E. of 98° N C. S. C., Tenn and Tex N. of 31° and E of 100° (except Wichita Falls); also Ala., La and Miss. No of 31°; (3) Ark W of 96°, Kan., Neb. W of 98°; N. D., Okla., S D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex

Sesquisilicate, bbls., c.l., works..100 lbs. 4.15 - —
l.c.l. dlvd 100 lbs 5.40 - 5.65
tanks works ..... ton.16.00 -17.00
Silicate, liquid, 40°, turbid., dms., c.l., works..100 lbs. 1.10 - —
l.c.l., works .....100 lbs. 1.30 - 1.40
tanks, works ..... ton.16.80 -16.85
52°, turbid, dms., c.l., works. 100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.10 - 2.20
tanks, works.....ton.32.80 - —
solid, bgs., works.....ton.42.50 - —
Silicofluoride, bbls., c.l., works lb. .04½- —
l.c.l., works .....lb. .049 - —
Stannate dms. works, frt. alld E lb. .507 - .572
Stearate, USP, anhyd., bbls., works lb. .51 - .56
Sulphanilate, bbls., works .. lb. .22 - —
Sulphate, NF VII, dried, gran., dms lb. .14½- .16½
tech. anhyd. bgs. c.l. works 100 lbs. 2.00 - —
l.c.l., works 100 lbs 2.35 2.60
cryst. (see Glauber's salt).
USP, cryst., bbls ..... lb .17 - .19
gran., bbls. .....lb. .17 - .17½
Sulphide, flake, bbls., c.l., works frt. equald 100 lbs. 4.50 —
l.c.l. same basis 100 lbs. 5.00 5.25
fused, bbls. c.l., works, frt. equald 100 lbs 4.00 —
l.c.l. same basis 100 lbs. 4.50 4.75
Sulphite, anhyd., by-product, powd., bgs., c.l., frt. equald 100 lbs. 2.50 - 2.75
l.c.l., same basis 100 lbs. 3.25 - 3.75
regular, powd., bbls., c.l., works 100 lbs. 6.50 - —
l.c.l., same basis 100 lbs. 7.00 - —

Sodium sulphite, crystals, bgs., c.l., works..100 lbs. 4.10 - —
l.c.l., works .....100 lbs. 4.50 - 4.75
bbls., c.l., works.....100 lbs. 4.50 - —
l.c.l., works .....100 lbs. 4.90 - —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls. ..... lb. .51 - .61
Sulphydrate, flake, 70-72%, dms., c.l lb. .05¾- —
l.c.l., works lb. .06¼- —
liquid, 45% basis 100%, tanks, works ton.90.00 - —
Tetrasulphide, liquid, 40%, dms., c.l., works lb. .03 - —
l.c.l., works ..... lb. .03¼- —
Thiocyanate, CP, dms..... lb. .55 .63
tech., dms. works ..... lb .20 —
Thiosulphate tech. (see Sodium hyposulphite).
USP. cryst., bbls lb .10 .12
Titanate, ctns., c.l., works..... lb. .10 - —
5 tons, works .... lb 10¼ —
1 ton or less, works .... lb .10½- .11
Trichloroacetate, dms. ..... lb. .46 - .55
Tripolyphosphate, bgs., c.l., works, frt. equald .....100 lbs. 7.25 - —
l.c.l., same basis 100 lbs. 7.65 - —
Tungstate, tech., kgs., dlvd. East lb. 1.10 - —
Sodium-ammonium phosphate, bbls., works, frt equald lb .23 - —
Sodium carboxymethylcellulose—See CMC
Sodium-Cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate dlvd., dms lb .22 .22¼
Sodium-sulpha drugs (see Sulpha name)
Sodium-titanium fluoride fib dms. c.l., works lb 16½ —
l.c.l., works lb 17½ .20
Sodium-zirconyl sulphate fiber dms. 1,000 lbs. or more, works lb 28 —
less 1,000 lbs. same basis .lb 30 —

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... you get the ultimate in quality—the kind of quality you would expect from America's leading producer of alkalies. But in addition, you get the fast, dependable delivery service which can only come from a company having more than one plant ... and over 200 local stock points from coast to coast. You also get Solvay's exclusive Technical Service ... men specially trained in the water industry.
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Nytron • Ammonium Bicarbonate • Para-dichlorobenzene • Ortho-dichlorobenzene • Monochlorobenzene • Methanol • Ammonium Chloride • Formaldehyde

Solvent Naphtha—Tetrachloroethylene

Solvent naphtha, coaltar tanks, works gal. .25 - .3235
high-flash, tanks, works gal. .25 - .3235
Petroleum, 100° F., flash, tanks, Baytown, Tex gal. .28 - —
150 F. flash, tanks same basis-gal. .28 - —
Sorbitol, cryst., pellets, dms., c.l., works lb .30 - —
ton lots to 5 tons, works. lb. .32 - .33
powd., dms., ton lots to 5 tons, works lb. .38 - .39
solution, commercial, aqueous, dms., c.l., works lb. .22¼- —
ton lots, works lb. .23¼- —
less ton lots, works lb. .24 - —
tanks, works lb. .23½- —
regular, 70%, aqueous, dms., c.l., works lb. .16¼- —
ton lots, works lb. .17 - —
less ton lots, works lb. .17½- —
tanks, works lb. 15½- —
Soybean meal, 41% bulk, Decatur ton.87.00 - —
50%, same basis ton.100.50 - —
protein, chemically isolated, 40,000 lbs., works lb. .20 - —
20,000 lbs., works lb. .20¼- —
smaller lots, works lb. .20½- .24
mechanically refined, bgs., 40,000 lbs., works lb. .0575- —
20,000 lbs., works lb. .0590- —
smaller lots, works lb. 0605- —
Sparteine sulphate, cns oz. .85 1.25
Spearmint leaves, bls lb. .52 - .55
Spikenard root, bls lb. .36 - .40
Spruce extract, liq., reg., tanks, works lb. .01¾- —
powd., super, bgs., c.l., works. lb. .05¼- —
Squaw vine leaves, bls lb. .30 - .35
Squill, red, fortified, powd., bbls. boxes lb. 1.60 - —
White, bls lb .11 - .13
powd., bbls., bxs lb. .16 .13
St. ignatius beans, bgs lb. No stocks.
St. John's bread, edible, bls lb. .13 - .18
Stainless steel flake, dry, dms., works lb 1.50 - —
paste, dms., works lb. 1.25 - —
Stannous chloride (see Tin chloride, stannous).
Star root (see Helonias root).
Stargrass root (see Aletris root).
Starch, corn, pearl, paper bgs., c.l., 100 lbs. 5.92 - —
Chicago 100 lbs. 5.27 - —
l.c.l., 100 lbs. 6.07 - —
powd., paper bgs., c.l. 100 lbs. 6.03 - —
Chicago 100 lbs. 5.38 - —
l.c.l. 100 lbs. 6.18 - —
Prices for corn starch in cotton bags, 12c. to 15c. per 100 lbs. higher.
Potato, Idaho, bgs., c.l., works lb. .05 - —
l.c.l., spot lb. .07¼- .07½
Maine, bgs., c.l., works lb. .05½- —
l.c.l., spot lb. .07¼- .07½
Rice, bgs. lb. .10¾- .11
Sweetpotato, bgs., c.l. lb No stocks.
Wheat, bgs. lb. .0606- .0626
Stavesacre seed, bgs lb .60 61
Stearin, oleo (see Oleostearin).
Stillingia root, bls lb 35 38
Stoneroot, bls lb .07½ 08
Storax, USP, cs lb 1.50 1.60
Stramonium leaves, bgs lb. 19 .20
Seed, bgs lb. .20 .21
Streptomycin, hospitals, vials gram. .60 -
wholesalers, vials gram. .48 —
Strontium bromide, NF, cns., dms., lb. .62 - —
Carbonate, 90%, dms lb. .15½- .16½
Chloride, tech., bbls lb. .22 - .24
Chromate, bbls., works lb. .50 - —
Iodide, jars, 25 lbs lb. 3.60 - —
Nitrate, bbls., c.l., works lb. .09¼- —
l.c.l., works lb. .10¼- —
Oxalate, bbls., works lb. .42 - .44
Salicylate, NF, dms lb. 1.25 1.32
Sulphate, air-floated, 90% 325 mesh, bgs., works ton.56.70 -66.15
Strontium-calcium sulphide phosphorescent, dms, works lb 2.50 - 2.85
Strophanthin, NF, bots oz.39.00 - —
Strophanthus seed, Kombe, bgs lb 3.00 - 3.25
Strychnine, NF, powd, cns, 100 ozs. oz. 1.25 - —
Phosphate, NF, 100 ozs oz. 1.14 - —
Sulphate, USP, powd., cns., 100 ozs oz. 1.00 - —
Styrene, monomer, dms., c.l., works lb. .17¾- —
l.c.l., works lb. .18¾- —
tanks, works lb. .16½- —
Styroly acetate, bots lb 2.50 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works lb. .60 - —
tech., bbls., l.c.l., works lb. .55 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar)
Sulphabenzamide, dms lb. 4.25 - 4.60
Sulphabenzamide-sodium, dms lb 4.25 - 4.60
Sulphadiazin, USP, crystals, free flowing, dms lb.11.25 -11.75
microcrystals, 99%, not over 10 microns, dms lb.10.50 -11.00
powder lb.10.25 -10.75
Sulphadiazin-sodium, USP, granules, free flowing, dms lb.12.25 -12.75
powder lb.11.25 -11.75
Sulphaguanidin, USP, dms lb. 4.50 - 5.00
Sulphamerazin, USP, micro crystals, 99.9%, not over 10 microns, dms lb.10.55 -11.05
powder, dms lb.10.25 -10.75
Sulphamerazin-sodium, USP, dms., lb.11.25 -11.75
Sulphamethazine, micro crystals lb. 8.80 - 9.30
powder lb. 8.50 - 9.00
Sulphanilamide, USP, crystals, free flowing lb. 1.15 - 1.35
microcrystals lb. 1.30 - 1.50
powder lb. 1.05 - 1.25
Sulphanilamidoquinoxaline, veterinary, dms lb. 9.00 - 9.25
Sulphapyridin NF powd., nots. tins, lb. 7.00 - 7.50
Sulphapyridin-sodium, powd., bots., dms lb. 7.50 - 8.00
Sulphathiazole, USP, crystals, free flowing lb. 3.50 - 4.00
micro crystals, 99.9%, not over 10 microns, dms lb. 3.25 - 3.55
powder, dms lb. 3.00 - 3.30
Sulphathiazole-sodium, USP, dms., lb. 3.00 - 3.30
Sulphur, com'l, rubbermakers, bgs., c.l., works 100 lbs. 1.75 - —
l.c.l., works 100 lbs. 2.10 2.45
crude c.l. bulk, mines, contract, long ton.18.00 - —
vessel f.o.b. Gulf ports, export, long ton.22.00 -24.00
f.o.b. ship for domestic and Canada long ton.19.50 - —
flour, com'l, 90½%, bgs., c.l., works 100 lbs. 1.60 - —
l.c.l., works 100 lbs 1.95 2.30
precipitated, USP, bbls., kgs lb. .27 - .29
refined, flour, light refined, USP, bgs., c.l., works 100 lbs. 3.00 - —
l.c.l., works 100 lbs. 3.35 - 3.70
heavy, bgs., c.l., works 100 lbs. 2.80 - —
l.c.l., works 100 lbs. 3.15 3.50
flowers, USP, bgs., c.l., works 100 lbs. 3.85 - —
l.c.l., works 100 lbs 4.20 4.60
Sulphur flowers in bbls., 75c. higher.
rock, bgs., c.l., works 100 lbs. 2.40 —
l.c.l., works 100 lbs 2.75 3.10
rolls, bgs., c.l., works 100 lbs. 2.70 - —
l.c.l., works 100 lbs 3.05 3.40
rubbermakers' bgs., c.l., works. 100 lbs. 2.35 —
l.c.l., bgs., works 100 lbs. 2.70 3.05
Chloride, mono, 55-gal. dms., c.l., frt. equald lb. .03¼- —
l.c.l., same basis lb. .04¼- —
tanks, same basis lb. .03 - —
Dioxide, liquid, com'l, cyls., works lb. .09 - —
multi-unit cars, works lb. .0335- —
tanks, works lb. .045 - —
refrigeration, cyls., l.c.l., dlvd lb. .20 - .36
Sumac bark, 28%, grd., bgs., ex dock ton.65.00 -66.00
Extract, No. 1, bbls., 25% lb. .10½- —
No. 2, bbls., 25% lb. .09 - —
crystals, bbls. lb. .40 - —
stainless, bbls. lb. .14½- —
Leaf, 28% grd., bgs., ex-dock, ton.67.00 -68.00
Superphosphate run-of-pile, under 22% a.p.a. pulv., bulk, Baito unit-ton. .76 - —
Carteret, N. J. unit-ton. .73 - —
triple, 48% or more, a.p.a., pulv., bulk, East Tampa, Fla. unit-ton. .80 - —
Prices on 48% triple superphosphate in other states and D. C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, imported, bls lb. No stocks.

T

Talc, dom., ordinary, grd., Calif., bgs., c.l., works ton.25.00 -35.00
Vermont, bgs., c.l., works ton.14.00 - —
l.c.l., works ton.17.50 - —
fibrous, New York, off-color, grd., bgs., c.l., works ton.24.00 - —
l.c.l. ton.26.50 -28.00
98.5-99.5%, 325 mesh, bgs., c.l., works ton.23.00 -28.00
l.c.l., works ton.25.00 -32.00
Imp., Canada, grd., bgs., c.l., mines ton.12.50 -35.00
Tallow, inedible, extra, loose, c.l., dlvd lb. .05½- —
fancy, loose, same basis lb. .05¾- —
special, loose, same basis lb. .05¼- —
sulphonated, 25%, dms lb. .06 - .06¼
50%, dms lb. .08½- .09
Tamarind, W. I., bbls lb. .10 - .15
kegs keg.10.00 - —
Tankage, animal, feeding, 9-11% ammon., bulk unit-ton. 7.00 - —
Chicago unit-ton. 7.50 - —
fertilizer, 9% ammon., 10% b.p.l., Chicago unit-ton. No stocks.
10-11% ammon., 15% b.p.l., bulk unit-ton. No stocks.
Tansy leaves, bls lb. .24 .30
Tapioca flour, high grade, bgs lb. .07 - .07¼
medium grades, bgs lb. .06½- .07
low grades, bgs lb. .05½- .06
Java, bgs lb. No stocks.
Tar acid oil, 15-18%, dms., c.l., frt. equald gal. .41 - —
l.c.l., same basis gal. .44 - —
tanks, same basis gal. .33 - —
25-28%, dms., c.l., works gal. .48 - —
l.c.l., same basis gal. .51 - —
tanks, same basis gal. .40 - —
50-53%, dms., c.l., same basis. gal. .58 - —
l.c.l., same basis gal. .61 - —
tanks, same basis gal. .50 - —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tara pods, bgs., c.l., ex dock U. S. ports long ton. No prices.
powd., bgs., c.l., same basis long ton.225.00 Nom.
Tarragon herb, bgs lb. .45 - .50
Leaves, bgs lb. .75 - .80
Tartar emetic, tech., gran. or powd., bbls., kgs lb. .46 - —
dms. lb. .47 - .51
USP, powd., bbls., dms., kgs lb. .51 - .54
Terpin hydrate, com'l, bbls., c.l lb. .24½- —
l.c.l. lb. .25 - .25¼
NF, cryst., bbls., dms lb. .75 - —
powd., bbls., dms lb. .80 - —
Terpineol, Alpha (see A), com'l, dms., c.l., South lb. .13½- —
l.c.l., South lb. .14 - —
tanks, South lb. .13 - —
prime, dms lb. .33 - .60
Terpinglycol ether, dms., c.l., works. lb. .19½- —
l.c.l., works lb. .20 - —
tanks, works lb. .19 - —
Terpinyl acetate, extra, cns., dms lb. .60½- .70¼
prime, cns., dms lb. .55 - .65
Terra alba (see Gypsum).
Testosterone, USP, 100 gms gm. 3.75 - —
Propionate, USP., 100 gms gm. 3.75 - —
Tetrachloroethane, dms., works lb. .08 - .08¼
Tetrachloroethylene, USP, 55-gal. dms., works lb. .20½- .21½
smaller dms., works lb. .23½- 25
tech. (see Perchloroethylene).

● BICHROMATE of SODA

● BICHROMATE of POTASH

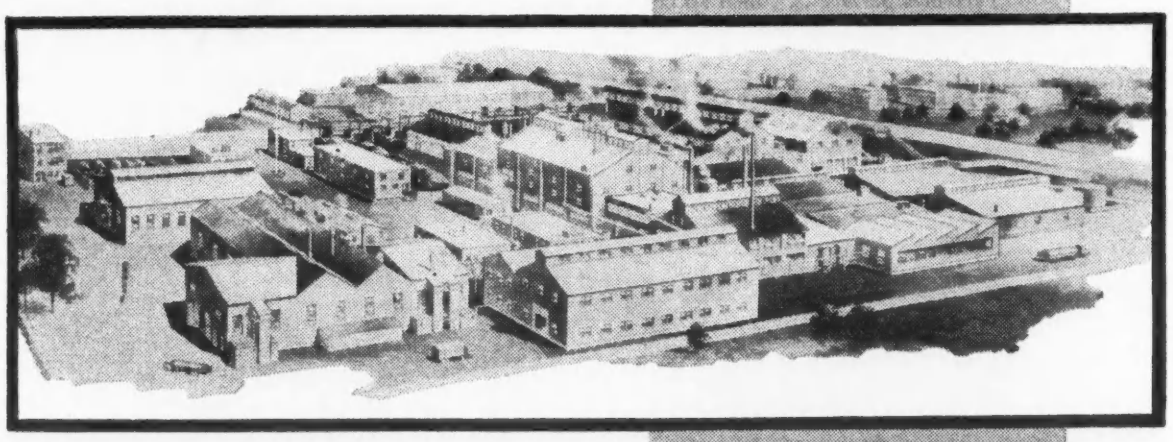
● SODIUM SULPHATE

● SODIUM CHROMATE

OVER FORTY YEARS OF PROGRESS

"BUY CROW-MATES"

QUALITY AND UNIFORMITY



NATURAL PRODUCTS REFINING COMPANY

JERSEY CITY 5, N. J.

SOLE MFRS. SINCE 1908 BICHROMATES Natural CHROMIUM PRODUCTS NATURAL PRODUCTS REFINING CO. JERSEY CITY, NEW JERSEY

Tetraethyl orthosilicate, dms., works, lb. .70 - —
Pyrophosphate, 40% cns., dms., works lb. 65 - 70
Tetraethylenepentamine, dms., c.l., works lb. .51½ - —
l.c.l., works lb. .52 - —
tanks lb. .50 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium metal, dlvd lb. 12.50 -15.00
sulphate, 99%, bots., dlvd lb. 10.50 -13.00
Theobromine, fib. dms. lb. 4.50 - 4.55
Salicylate, fib. dms. lb. 4.00 - 4.05
with sodium acetate, USP, dms lb. 3.65 - 3.70
Sodio-salicylate, fib. dms lb. 2.90 - 2.95
Theophylline, anhyd., or USP, 100-lb dms. lb. 5.50 - —
Thiamine hydrochloride, USP, bots., 100 grams kilo. 160.00 - —
Mononitrate, bots., 100 grams kilo. 160.00 - —
Thiocarbanilide, dms lb. .40 - .42
Thiodiphenylamine (see Phenothiazine)
Thiouracil dms. works lb 5.50 5.60
Thiourea, tech., dms., c.l., works lb. .42 - —
l.c.l., works lb. 44 - —
Thorium nitrate cs. works lb. 3.50 - —
Threonine, dextro-laevo, 100 grams 115.00 —
Thyme, French, bgs. lb. .14¾ - .15
Spanish, bls lb. .03½ - .09
Thymol, kgs. lb. 3.50 - —
Iodide, NF, dms lb. 6.60 - 6.70
Tinbo root (see Cube root).
Tin chloride (stannous), anhyd., dms., works lb. .787 - .797
Crystals, hydrous, bgs., bbls., works lb. .64½ - —
Metal lb. .91 - —
Oxide, bbls lb. .91 - —
Sulphate, stannous, bbls., kgs., works lb. .895 - .913
Tetrachloride, anhyd., dms., works lb. .525 - .535
Titanium dioxide, anatase, ceramic, bgs., c.l., dlvd lb. .19½ - —
l.c.l., dlvd lb. .20 - .20½
chalk-resistant, bgs., c.l., dlvd. lb. .19½ - —
l.c.l., dlvd lb. .20 - .20½
plain, bgs., c.l., dlvd lb. .19½ - —
l.c.l., dlvd lb. .20 - .20½
rutile, natural, granular, bgs., c.l., works lb. .05 - —
5-ton lots, works lb. .05¼ - —
milled, bgs., c.l., works lb. .05¼ - —
5-ton lots, works lb. .05½ - —
nonchalking, bgs., c.l., dlvd E. lb. .21½ - —
l.c.l., dlvd. E lb. .22 - .22½
Hydride, cns. works lb. 7.00 8.00
Pigment, calcium-rutile, base, bgs., c.l., dlvd lb. .07½ - .07¾
l.c.l., dlvd. lb. .08 - .08¾
Titanium dioxide and pigment in obls., ½c higher; Pac. coast c.l., dlvd., l.c.l., ex whse ½c higher
Tetrachloride, CP, 55 gal. dms lb. .57 - .58
smaller pkgs., works lb. .65 1.22
technical, 5-gal. dms., works lb. .32 - —
smaller pkgs., works lb. .40 1.00
Tolu balsam, cns., dms. lb. 3.40 - 3.50
Toluene (see Toluol).
Tolidin base, distilled, kgs lb. 1.10 - —
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethlehem, Pa gal. .24½ - —
Birmingham dist. gal. .23¼ - —
Chicago district gal. .25½ - —
Cleveland district gal. .25¾ - —
Lone Star, Tex. gal. .24½ - —
Geneva, Utah gal. .18¼ - —
Hamilton, Ohio gal. .25 - —
Johnstown, Pa. gal. .23 - —
Lackawanna, N. Y. gal. .26 - —
Lorain, Ohio gal. .24 - —
Minequa, Colo. gal. .23½ - —
Philadelphia, Pa. gal. .26½ - —
Pittsburgh district gal. .23 - —
Sparrow's Point, Md. gal. .24½ - —
St. Louis, Mo. gal. .26 - —
Syracuse, N. Y. gal. .23½ - —
Terre Haute, Ind. gal. .26½ - —
Wyandotte, Mich. gal. .26 - —
Youngstown, Ohio gal. .23½ - —
Petroleum, industrial, 2°, tanks, works—
Albany, N. Y. gal. .30 - —
Bayonne, N. J. gal. .30 - —
Baytown, Tex. gal. .28 - —
Chicago, Ill. gal. .30 - —
Detroit, Mich. gal. .30 - —
Philadelphia, Pa. gal. .30 - —
Providence, R. I. gal. .30 - —
Wood River, Ill. gal. .28 - —
Tonga, 50% bark and vine, bls. lb .80 .95
Tonka beans, Angostura, cks. lb. 1.75 1.80
Brazilian, cs lb. 1.00 - 1.13
Surinam, cs. lb. 1.00 - 1.15
Toxaphene, dms., works, c.l. lb. .20 - —
truckloads, works lb. .20 - —
ton to truckloads, works lb .23 - —
less than tons, works lb. .26 - —
Totaquine, 100-oz. tots oz. .42 - —
Triacetin, dms., dlvd lb. .35½ —
Tributyl citrate, dms. lb. .41 .43
smaller containers lb. .46 .52
Phosphate dms. c.l. frt. all'd to .56½ —
l.c.l., same basis lb. .57½ —
smaller containers lb. .71 —
Tributylamine, dms., c.l., frt. alld. lb. .78¾ - —
l.c.l., same basis lb. .79¾ - —
tanks, same basis lb. .77 - —
Trichlorobenzene, dms., c.l., works, frt. alld. lb. .10½ - —
l.c.l. frt. alld. lb. .11½ - —
tanks, frt. alld. lb. .09 - —
Prices in the West, 1¾c. higher.
Trichloroethane, dms., c.l., works lb. .13 - —
l.c.l., works lb. .13½ - —
tanks, works lb. 11½ - —
Trichloroethylene, dms., c.l., or truckload, works, frt. equald. lb. .10½ - —
l.c.l., same basis lb. .11¼ - —
tanks, same basis lb. .10 - —
Trichloroethylene, dms., c.l., dlvd. E lb. .11¼ - —
l.c.l., dlvd. E lb. .11¾ - —
tanks, dlvd. E lb. .10¼ - —
Tricholine citrate, 65% solut., ret., cbys., works, frt. adjusted lb. 2.10 - 2.15
Tricresyl phosphate, coaltar, dms., c.l., dlvd lb. .31½ - —
l.c.l., dlvd lb. .32½ - —
tanks, dlvd lb. .30 - —
petroleum, dms., c.l., dlvd lb. .31½ - —
l.c.l., dlvd lb. .32½ - —
tanks, dlvd lb. .30 - —
Triethanolamine, dms. c.l. frt. alld. E lb. .23 - —
l.c.l., same basis lb. .24 - —
tanks, same basis lb. .21½ - —
Triethylamine, dms., c.l., works, frt. alld. E lb. .31¾ - —
l.c.l., same basis lb. .32¾ - —
tanks, same basis lb. .30 - —
Triethyl citrate, dms lb. .34 - .36
smaller containers lb. .39 - .45
Phosphate, dms. works, c.l. lb. .38 - —
l.c.l., same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethylenegtycol, dms., c.l., frt. alld., E lb. .20½ - —
l.c.l., same basis lb. .21½ - —
tanks, same basis lb. .19 - —

Triethylenetetramine, dms., c.l., works lb. .51½ - —
l.c.l., works lb. .52 - —
tanks lb. .50 - —
Trimethylamine, 25%-40%, dms., c.l., works, frt. equald., oasis 100% lb. .38 - —
l.c.l., works, frt. alld., basis 100% lb. .38½ - —
tanks, works, frt. equald., basis 100% lb. .33 - —
Trimethylhexanol, dms., c.l., works, lb. .29½ - —
l.c.l., works lb. .30 - —
tanks, works lb. .28 - —
Tripentaerythritol, bgs., l.c.l., works, lb. .36 - —
Triphenyl phosphate bbls. c.l., frt. equald lb. .32 - —
l.c.l., frt. equald lb. .33 - —
Triphenylguanidine bbls. works lb .90 - —
Tripoli air-floated bgs. c.l. works, lb. .0173 - —
double-grd. bgs. c.l. works lb. .016 - —
single-grd., bgs., c.l. works lb. .015 - —
Trisodium fluoroacetate (see sodium fluoroacetate trihasic).
Trisodium phosphate (see Sodium phosphate, trihasic).
Trypsin, 1:25, dms., works lb 2.30 - —
1:50, dms., works lb 4.25 - —
1:75, dms., works lb 5.50 - —
1:100, fib. dms., works lb 5.50 - —
Tryptophane dextro-laevo, fib. ctns. works kilo. 207.00 -242.00
Tuba root (see Cube root).
Tungsten metal powd., 99.9%, dms. works lb. 4.50 - 4.75
Oxide, kgs., works lb 2.85 - —

Turmeric root, Alleppey, bgs. lb. .29 - .30
Haitian, bgs. lb. .10 - .10¼
Jamaica, bgs. lb. .10 - .10½
Madras, bgs. lb. .13 - .13½
Turpentine, gum (see Naval Stores Protective Coatings market).
Sulphate, ret. dms., East gal. .47 - .56
Wood, dest.-dist., dms., incl., c.l., works, South gal. .40 - —
l.c.l. same basis gal. 41 - —
N. Y. whse gal. .47 - —
tanks, works, South gal. .27½ - —
Tyrothricin, bots. gram 1.00 - 1.10
steam-dist., dms., incl., c.l., works gal. .50 - —
l.c.l. works South gal. .56 - —
ex whse., NYC gal. .63 - —
tanks, works gal. .37 - —

U

Urethane, USP dms lb. 1.25 - —
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black bgs lb 2.85 - —
yellow, kgs lb 1.65 - —
Urea, dom. 46% N bgs. c.l. wks. lb 04½ - —
l.c.l., works lb 05 - —
42% N, bulk, c.l., 50 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east ton 94.00 - —
bulk distributors c.l. 40 tons, frt. alld. Colo., Mont. Wyo. and west ton. 116.00 - —
Urea-ammonia liquor, A and B grades N basis Belle W Va ton. 125.00 - —
C and D grades same basis, tc.a 123.50 - —
37 grade, same basis ton. 147.50 - —
Uva ursi leaves, bls lb. .06 - .10

V

Valerian root, Belgian, NF, bls lb. .40 - .43
Valine, dextro-laevo, dms. works lb 25.50 27.50
Valonia beards, bgs., ex dock ton. 78.00 Nom.
Cups, bgs., ex dock ton. 53.00 - —
Extract, powd. ngs. ex dock, duty extra lb. .09½ - —
Vanadium pentoxide CP bgs., cns. works lb 7.00 —
tech. dms. works lb 1.00 1.06
Vanilla beans, Bourbon, tins lb. 4.00 - 4.25
Mexican, cuts, tins lb. 6.50 - 6.75
whole, tins lb. 7.25 Nom.
Tahiti, cs. lb. 2.75 - 3.25
Vanillin, ex eugenol, tins, 25 lbs lb 4.00 —
smaller lots lb 4.05 —
ex guaicol, tins, 25 lbs lb 3.00 —
smaller lots lb 3.05 3.15
ex lignin, tins, 25-lb. lots lb 3.00 —
smaller lots, tins lb 3.05 3.15
Vinyl acetate, 55-gal. dms., works lb. .16 - .16½
5-gal. cns., works lb. .30 - —
tanks, works lb .15 - —
Butylether, normal, tech., dms., c.l., works lb. .28 - —
l.c.l. works lb. .30 - —
tanks, works lb. .27 - —

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DDT Government Specifications
2,4-D Acid, Salt and Isopropyl Ester
TRICRESYL PHOSPHATE
ERGOSTEROL
(Non Irradiated)
MONTROSE CHEMICAL COMPANY
LISTER AVENUE, NEWARK, NEW JERSEY
SELLING AGENTS R. W. GREEFF & CO., INC. 10 ROCKEFELLER PLAZA, NEW YORK, N. Y.
TRIBUNE TOWER, CHICAGO, ILLINOIS

Vinyl Ether—Xylol, Coaltar

Vinyl ether (see Ether, divinyl).
Ethylether, tech., dms., c.l., wks. lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Isobutylether, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Methylether, cyls., works lb. .30 - —
tanks, works lb. .27 - —

Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.

Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works lb. 1.50 - —
Viosterol, in alcohol, 1,000,000 D units per gm., bots., lots of 10 billion USP units.. 1,000,000 units. .025 - —
lots of 1 billion USP units. 1,000,000 units. .03 - —
lots of less than 1 billion USP units 1,000,000 units. 035 - —
in neutral vegetable oil, 400,000 or 1,000,000 D units per gm., bots., lots of 10 billion USP units 1,000,000 units. .02 - —
lots of 1 billion USP units. 1,000,000 units. .025 - —
lots of less than 1 billion USP units.1,000,000 units. .03 - —
Vitamin A, natural, 200,000 to 350,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .17 - —
lots of less than 500 million units 1,000,000 units. .21 - —
351,000 to 450,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .18 - —
lots of less than 500 million units 1,000,000 units. .22 - —
451,000 or more A units per gm., bots, cns., dms., lots of 500 million units or more 1,000,000 units. .19 - —
lots of less than 500 million units 1,000,000 units. .23 - —

Prices above are based on the USP XIII method of conversion, E x 1894.

Vitamin A, natural, 200,000 to 350,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. 19½- —
lots of less than 500 million units 1,000,000 units. 23½- —
350,000 to 450,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. 20½- —
less than 500 million units. 1,000,000 units. 24½- —
Vitamin A, natural, 451,000 or more A units per gm., bots., cns., lots of 500 million units or more.. 1,000,000 units. .22 - —
less than 500 million units million units. 1,000,000 units. .26 - —

Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.

A, natural, concentrates (see Oil, fishliver).
A, synthetic, acetate, 1,000,000 A units, per gm. 1,000,000 units. .24 - —
A, synthetic, palmitate, 800,000 A units per gm., frt. adjstd. 1,000,000 units. .24 - —
B (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran concentrate and Yeast).
B_6 (see Pyridoxin hydrochloride).
B_{12}, vials, 25, 100 and 500 milligrams milligram. .98½- —
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol and Viosterol).
D_2 (see Calciferol).
Vitamin E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide).
H (see Biotin).
Violet, methyl toner (see Blue, methylviolet toner).
V.M.P. naphtha (see Petroleum naphtha).

W

Wahoo root bark, bls lb. 1.50 - 1.75
Tree bark, bls lb. .55 - .75
Warfarin, dms., 50 lbs., f.o.b. N. Y. or Chicago lb. 1.95 - —
25-49 lbs., same basis lb. 2.05 - —
5-24 lbs., cns., same basis lb. 2.15 - —
Wattle bark, fair average, nr E. Afr., bgs., ex dock ton.67.50 - —
merchantable, bgs., ex dock ton.65.00 - —
extract, liquid, 35% tannin, bbls., works lb. .07½- .08
solid, E. Afr., 61% tannin, ex dock, duty extra lb. .07½- —
S. Afr., 62% tannin, ex dock, duty extra lb. .07½- —
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs., spot lb. .44 - .45
Bees, bleached, USP, bricks, cs. lb. .62 - .63
slabs, bgs lb. .61 - .62
crude, African, bgs lb. .44 - .45
Brazilian, bgs lb. .49 - .50
Cent. American, bgs lb. .47 - .48
refined, yellow, bricks, cs lb. .52 - .53
slabs, bgs. lb. .51 - .52
Candelilla, crude, bgs lb. .45 - .47
refined, bgs lb. .49 - .51

Powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.

Carnauba, chalky, bgs., ton lots lb. No stocks.
North Country, No. 2, ton lots lb. .78 Nom.
No. 3, crude, bgs., ton lots. lb. .74 - .76
refined, bgs., ton lots lb. .78 - .80
yellow, No. 1, bgs., ton lots lb. .95 - .97
No. 2 lb. .93 - .95

Powdered carnauba price differentials same as powdered candelilla.

Japan, bgs. lb. .62 - .67
Microcrystalline, 170°-175° m.p., ASTM, amber ctns., 20,000 lbs. group 3, works lb. .14 - —
Less than 20 000 lbs., same basis lb. .15 - —
black, ctns., 20,000 lbs., same basis lb. .12½- —
Less than 20,000 lbs., same basis lb. .13½- —
white, ctns., 20,000 lbs., same basis lb. .25 - —
Less than 20,000 lbs., same basis lb. .26 - —
180°-185° m.p., ASTM, black, ctns., 20,000 lbs., same basis lb. .14½- —
Less than 20,000 lbs., same basis lb. .15½- —
amber, ctns., 20,000 lbs., same basis lb. .16 - —
Less than 20,000 lbs., same basis lb. .17 - —
white, ctns., 20,000 lbs., same basis lb. .27 - —
Less than 20,000 lbs., same basis lb. .28 - —
190°-195° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .20½- —
Less than 20,000 lbs., same basis lb. .21½- —
black, ctns., 20,000 lbs., same basis lb. .19 - —
Less than 20,000 lbs., same basis lb. .20 - —
white, ctns., 20,000 lbs., same basis lb. .33½- —
Less than 20,000 lbs., same basis lb. .34½- —
Montan, dom., black, raw lb. .25 - .25½
refined lb. .31 - .32
imported Bohemian, bgs lb. .14 - .16
German, bgs. lb. .15 - .17
Wax, ouricury, refined, bgs., ton lots lb. .75 - .77
Paraffin (see P.).
Spermaceti, blocks, cs lb. .24 - .27
cakes, cs. lb. .25 - .28
Sugar cane, crude, imp., bgs lb. .35 - .37
refined, dom., slabs., works lb. .60 - .65
imp., bags, N. Y. lb. .40 - .42
White lead (see Lead white).
White pine bark, rossed, bls lb. .16 - .19
White precipitate, USP powd., dms., 50 lbs lb. 2.00 - —
Whiting, limestone, dry-grd., 99.5%, 325 mesh, bgs., c.l., works. ton. 6.00 -10.00
smaller lots, works ton. 6.50 -15.00
wet-grd., bgs., c.l., works ton.16.00 -30.00
smaller lots, works ton.21.00 -35.00
Paris white, bgs., c.l. ton.24.00 -31.00
l.c.l. whse. ton.25.00 -40.00
Precipitated, bgs., c.l. ton.18.00 -20.00
l.c.l. ton.25 00 -35.00
Wild cherry bark, thick, natural, bls lb. .06 - .07
rossed, bls lb. No prices.
thin, natural, bls lb. .13 - .16
rossed, bls. lb. .16 - .17
Wild indigo root, bls lb. .30 - .31
Wild yam root, bls lb. .16 .17
Witch hazel leaves, bls lb. .23 - .25
Woodflour, 40 mesh, bulk, c.l., works, East ton.32.00 - —
l.c.l., same basis ton.40.00 - —
60 mesh, bulk, c.l., same basis ton.37.00 - —
basis ton.37.00 - —
l.c.l., same basis ton.45.00 - —
80-100 mesh, bulk, c.l., same basis ton.40.00 -45.00
l.c.l., same basis ton.50.00 -55.00
Woodflour in bgs. extra, returnable.
Woolfat (see Lanolin).
Wormseed, American, bgs lb. 13 .14
Levant, bgs. lb. 4.50 - 5.00
Wormwood leaves, bls lb .35 - .45

X

Xanthorrhiza root, bls lb. .28 - .30
Xylene (see Xylol).
Xylenol, cryst., 56°-58°C. m.p., ret. dms., c.l., works, frt. equald lb. .193 - —
l.c.l., same basis lb. .196 - —
tanks, same basis lb. .18 - —
45°-47°C, dms., c.l., frt. equald lb. .153 - —
l.c.l., same basis lb. .156 - —
tanks, same basis lb. .14 - —
fractions, over 7°C., b.p., except meta, dms., c.l., same basis gal. .91 - —
l.c.l., same basis gal. .94 - —
tanks, same basis gal. .80 - —
Meta fraction, over 7°C., dms., c.l., same basis gal. 1.01 - —
l.c.l., same basis gal. 1.04 - —
tanks, same basis gal. .90 - —
Xylidins, mixed, dms lb. 45 - .50
Xylol, coaltar, industrial, tanks, works—
Bethlehem, Pa gal. .27 - —
Birmingham district gal. .24¼- —
Chicago district gal. .27½- —
Cleveland district gal. .27 - —
Lone Star, Tex. gal. .25 - —
Geneva, Utah gal. .19¾- —
Hamilton, Ohio gal. .26 - —
Johnstown, Pa gal. .25 - —
Lackawanna, N. Y. gal. .27 - —
Lorain, Ohio gal. .25¼- —
Minequa, Colo. gal. .27 - —
Philadelphia, Pa. gal. .27 - —
Pittsburgh district gal. .24 - —
Sparrows Point, Md. gal. .27 - —
St. Louis, Mo. gal. .28 - —

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Xylol, coaltar, industrial, tanks, works, Syracuse, N. Y.	gal.	.24½	—
Terre Haute, Ind.	gal.	.27	—
Wyandotte, Mich.	gal.	.27	—
Youngstown, Ohio	gal.	.24½	—
Petroleum, indust., 10°, tanks, works:—			
Albany, N. Y.	gal.	.30	—
Bayonne, N. J.	gal.	.30	—
Baytown, Tex.	gal.	.28	—
Chicago, Ill.	gal.	.30	—
Detroit, Mich.	gal.	.30	—
Philadelphia, Pa.	gal.	.30	—
Providence, R. I.	gal.	.30	—
Wood River, Ill.	gal.	.30	—

Y

Yara, yara, cns.	lb.	2.00	2.25
Yeast, brewer's dry, USP, 50 B units per gram, 100-lb. dms.	lb.	.44	.46
80 B units per gram, 100 lb. dmz.	lb.	.49	.51
200 B units per gram, 100 lb. dms.	lb.	.93	.95
300 B units per gram, 100 lb. dms.	lb.	.57	.59
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul	lb.	2.60	—
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.			
Benzidin, bbls., dlvd.	lb.	1.60	1.70
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies	lb.	2.65	2.80
Lithopone, all shades, bbls., frt. alld. E. of Rockies	lb.	1.02	—
Cadmium yellows, Los Angeles and San Francisco, ex whse l.c.l. per lb. higher.			
Chrome, CP, bbls., dlvd. N. Tenn. and N. C. E. of Miss., including Davenport, Minneapolis, Rock apolis, Rock Island	lb.	.25	—
Dlvd. Ala., Fla., Ga., La., (Shreveport) 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex., 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.			
Hansa, bbls., same basis as chrome	lb.	1.60	1.70
Primrose, bbls., same basis	lb.	1.90	2.10
Iron oxide, natural, bgs., c.l., works	lb.	.0141	.0250
l.c.l., works	lb.	.0166	.0275
French type, bgs., c.l.	lb.	.04½	—
l.c.l.	lb.	.04¾	—
Peruvian type bgs., c.l.	lb.	.0185	.0210
synth., bgs., c.l., works	lb.	.09½	—
l.c.l., works	lb.	.09¾	—
Mercury oxide, bbls., 1,000 lbs	lb.	1.93	—
smaller lots	lb.	1.95	—
Ocher American golden, bgs., works	lb.	.011¼	.02¾
Zinc, bnts. same basis as chrome	lb.	.21	—
Yellow dock root, bls.	lb.	.16	.25
Yellow xanthorrhiza (see Xanthorrhiza)			
Yerba santa leaves, bls.	lb.	.28	.30
Yohimbine hydrochloride vls.	oz.	3.25	4.00

Z

Zein, bgs., 36,000 lbs., works	lb.	.30	—
1,000 lbs. to 36,000 lbs., works	lb.	.32	—
smaller lots, works	lb.	.35	—
Zinc acetate, tech., bbls., dms.	lb.	.26¼	—
NF, dms.	lb.	.41	—
Borate, bgs., c.l., dlvd. E	lb.	.17½	—
l.c.l., dlvd. E	lb.	.18½	—
Carbonate, purified, powd., dms.	lb.	.26	—
tech., rubber makers', bgs., works	lb.	.10¾	.11¼
precipitated, powd., dms.	lb.	.26	—
Chloride, tech., fused, dms., c.l., works	100 lbs.	7.70	—
l.c.l., works	100 lbs.	8.10	—
gran., bbls., c.l., works	100 lbs.	8.45	—
l.c.l., works	100 lbs.	8.85	—
solution, 50%, dms., c.l., works	100 lbs.	4.25	—
l.c.l., works	100 lbs.	4.85	—
tanks, works	100 lbs.	3.60	—
NF, gran., dms	lb.	.42	—
Chromate (see Yellow, zinc).			
Cyanide, kgs., works	lb.	.422	.442
Dust, bbls., c.l., works	lb.	.1225	—
dlvd.	lb.	.1250	—
l.c.l., works	lb.	.1260	.1325
Fluoride, bbls., works	lb.	.40	—
Hydrosulphite, dms., c.l., frt. alld.	lb.	.17¼	—
l.c.l.	lb.	.17¾	.19¼
Iodide, NF, jars	lb.	4.85	—
Laurate, bbls	lb.	.45	.46
Linoleate solid, 9½%, bbls	lb.	.42½	—
Metal, slabs, E. St. Louis	lb.	.15	—
Naphthenate, liquid, 8% Zn., frt. allwd.	lb.	.20¼	—
10% Zn, dms., frt. alld.	lb.	.26	—
Oleate, fused, bbls	lb.	.36	—
Oxide, pigment, dom., acicular, bgs., c.l., dlvd.	lb.	.14	—
l.c.l., dlvd	lb.	.15	—
American process, com'l, lead-free, bgs., c.l., dlvd.	lb.	.14	—
l.c.l., dlvd.	lb.	.15	—
leaded, 5%, bgs., c.l., dlvd.	lb.	.14	—
l.c.l., dlvd.	lb.	.15	—
35%, bgs., c.l., dlvd.	lb.	.13½	—
l.c.l., dlvd.	lb.	.14½	—
50%, bgs., c.l., dlvd.	lb.	.13¼	—
l.c.l., dlvd.	lb.	.14¼	—
French process, com'l, lead-free, bgs., c.l., dlvd.	lb.	.16¼	—
l.c.l., dlvd.	lb.	.17¼	—
green seal, bgs., c.l., dlvd.	lb.	.15¾	—
l.c.l., dlvd.	lb.	.16¾	—
red seal, bgs., c.l., dlvd.	lb.	.15¼	—
l.c.l., dlvd.	lb.	.16¼	—
white seal, bgs., c.l., dlvd.	lb.	.16¼	—
l.c.l., dlvd.	lb.	.17¼	—
USP, ctns., c.l., dlvd.	lb.	.17¼	—
l.c.l., dlvd.	lb.	.18¼	—
Zinc oxide Pac. coast prices 1c. higher; bbl prices ¼c. higher than bgs.			
Phenolsulphate, dms.	lb.	.36	—
Resinate, fused, 1% Zn. dms., frt. alld	lb.	.20	—
precip., dms., frt. alld.	lb.	.22½	—
Silicofluoride, bbls., works	lb.	.10	.10½
Stearate, tech., USP, ctns., c.l.	lb.	.34	—
ton lots	lb.	.35	—
less ton lots	lb.	.36	—

Zinc sulphate, cryst., 22% Zn. bgs., c.l., works, frt. alld.	100 lbs.	6.15	—
l.c.l., same basis	100 lbs.	6.55	—
flake, 35½%, Zn., bgs., c.l., works, dlvd.	100 lbs.	4.80	5.35
l.c.l., works	100 lbs.	5.75	8.25
powdered, 36% Zn., bgs., c.l., dlvd., same basis	100 lbs.	8.25	—
l.c.l., same basis	100 lbs.	9.00	—
Zinc sulphate in bbls. 40c. higher			
USP, gran., dms.	lb.	.23	.23¼
Sulphide, pure, bgs., c.l., dlvd.	lb.	.20	—
l.c.l., dlvd.	lb.	.21	—
Barium pigment, bgs., c.l., dlvd	lb.	No prices.	
l.c.l., dlvd.	lb.	No prices.	
Calcium, pigment, bgs., c.l., dlvd	lb.	No prices.	
l.c.l., dlvd	lb.	No prices.	
Luminescent pigment, dlvd	lb.	No prices.	
Magnesium pigment, bgs., c.l., dlvd	lb.	No prices.	
l.c.l., dlvd	lb.	No prices.	
Zinc sulphide and pigment, Pac. coast prices 1c. higher; bbl. prices ¼c. higher than bgs.			
Thionosulphonate, NF, gran., bbls., dms	lb.	.33	.34
powd., bbls	lb.	.36	.37
Undecylenate, dms.	lb.	1.90	2.00
Yellow (see Yellow, zinc)			
Zinc-ammonium cxloride, bgs., c.l., works	100 lbs.	7.35	—
l.c.l., works	100 lbs.	7.75	10.25
Zinc-cadmium sulphide, fluorescent, cns., frt. alld	lb.	2.00	2.80
Zinc-calcium resinate, dms., c.l., works	lb.	.1180	.1360
l.c.l., same basis	lb.	.1220	.14
Zinc-formaldehyde sulphoxalate, basic, dms., works	lb.	.21½	—
normal, dms., works	lb.	.43	—
Zircon (see Zirconium silicate).			
Zirconium acetate, 13% sol. ZrO_2, bbls., works	lb.	.21¼	—
Carbonate, basic, cake, bbls., works	lb.	.30½	—
Hydride, cns., works	lb.	7.00	8.00
Nitrate, dms., works	lb.	1.75	—
Oxide, 98½-99% white, grd., bbls. or bags, works	lb.	1.50	—
lump, electric-fused, bgs., c.l., works	lb.	.44	—
5 tons, works	lb.	.44½	—
1 ton or less, works	lb.	.45	.48
milled, electric-fused, bgs., c.l., works	lb.	.59	—
5 tons, works	lb.	.59½	—
1 ton or less, works	lb.	.60	.63
Oxychloride, cryst., ctns., 5 tons, works	lb.	.29½	—
Silicate, granular, bgs., c.l., works,	lb.	.03¼	.03¾
10 tons, works	lb.	.03½	.04
5 tons, works	lb.	.04	—
1 ton or less, works	bl.	.04¼	.04¾
milled, bgs., c.l., works	lb.	.04¾	—
5 tons, works	lb.	.05¼	—
1 ton or less works	lb.	.05¾	.06¾
refined, bgs., c.l., works	lb.	.11	—
works	lb.	.11	—
5 tons, works	lb.	.11½	—
1 ton or less, works	lb.	.12	.16
Sulphate, cryst., ctns., c.l., works.	lb.	.37½	—
5 tons, works	lb.	.38	—
1 ton or less, works	lb.	.38½	.39

Trade Briefs

Socony-Vacuum Oil Company, New York, has awarded $2,000 to Yale University, New Haven, Conn., for renewal of a fellowship in organic chemistry during the academic year September 1, 1950, to July 1, 1951.

Hilton-Davis Chemical Company, a division of Sterling Drug, Inc., Cincinnati, Ohio, has undertaken a cooperative program of lectures on practical field inspections with the University of Cincinnati College of Medicine in the study of preventive medicine.

John R. Suman, vice-president of the of the Standard Oil Company, has been given a certificate by the American Standards Association in recognition of his service in standardization work as a director of the association.

Gail F. Moulton, staff geologist in the petroleum department of the Chase National Bank, New York, has been elected second vice-president of the bank. Formerly with the United States Geological Survey, he has been executively active in the petroleum branch of the American Institute of Mining and Metallurgical Engineers.

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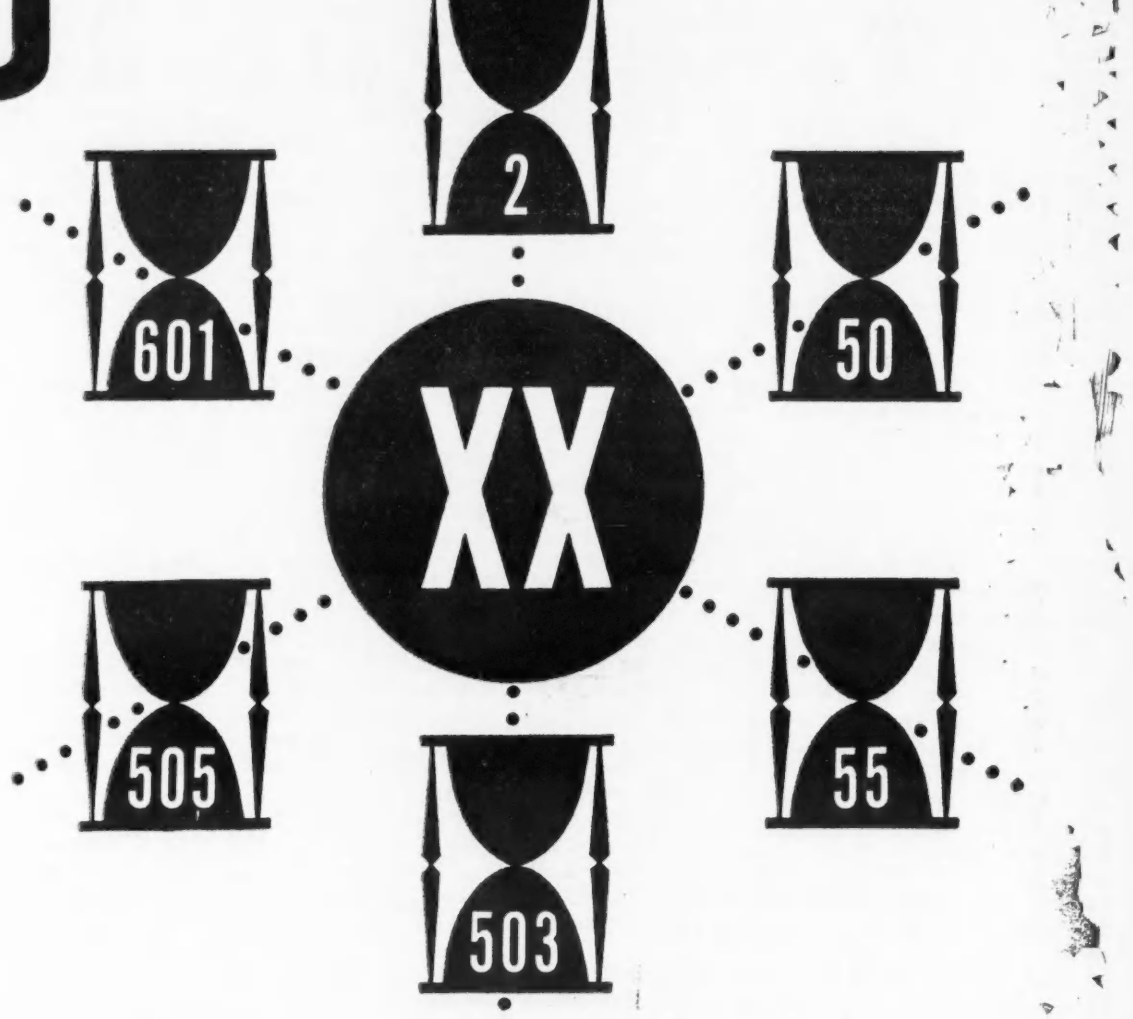

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Volume 158 July 17, 1950 Number 3

Stalemate in Medical Care

The Congress of the United States has disapproved the reorganization plan of President Truman designed to create a new cabinet office of health, education, and security. The American Medical Association has rejected the so-called "New Jersey" plan for a specific national health program. It is assumable that a fear of some vague scheme of "socialized medicine" exerted a potent influence on the action of congress, although the whole idea was quite muddy. It goes without saying that a fear lest AMA autocracy be routed by USA bureaucracy was most potent in connection with the action of the medical organization.

Meanwhile, although the medical men averred that "no crisis in health exists in this country," those who cannot get the medical care which they need—critically or simply—will have to get along without it. It is true that the doctors' association again voiced its recently assumed approval of voluntary plans for financing medical care; but the inadequacies of those plans in relation to the actual needs of the people leave far too much still to be attained.

The plan of the Medical Society of New Jersey which the national association rejected as "too controversial" and liable, by way of "hasty and ill-considered legislation," to result in "serious and, perhaps, irrevocable damage to the health and medical care services provided for our citizens," would enlist governmental aid in making the group plans available to those who cannot afford to participate. It is a realistically based idea; because there are several million persons in this country who cannot pay their own way under any private system of medical care. There are, of course, other millions who would not be benefitted by the New Jersey plan; because they cannot be reached by any group scheme and have no doctors or facilities to implement any scheme that could be made available. That is the inadequacy which no plan yet suggested, private or political, would remedy.

It is said that the providing of adequate medical care is a communital problem. That is only partly true. It is a fact that many communities could get and support the medical service which they need; the majority of those will not. There are many which cannot support a doctor, even though he might be relieved from payment of his "union" dues and assessments as a prerequisite of getting hospital facilities for his patients in some more fortunate locality. There are, in spite of the reiterated statistic that the United States has the greatest number of physicians per population, many communities which could not have a resident physician even if all the available were distributed equally.

It has been suggested that some improvement could be brought to some regions by the establishment of an itinerant medical service. There are regions where dental service is thus provided. Even with the assistance of aviation, itinerant service could not adequately take care of emergencies. But, it could do much better than is now being done, especially with the assistance of local "hospital corps."

In the augmentation and clarification of its medical care program, which some of its leaders say are necessary, the American Medical Association should give constructive consideration to the furtherance of the purposes of the Inter-Association Committee on Health. Cooperation between that organization and the Health Information Foundation should be furthered. The negative attitude of organized medicine toward the nation's medical needs is passing; but inactivity will not suffice as its successor. Nothing is to be gained by talking as did the new AMA president in his inaugural about the governmental administration's being "sick with intellectual dishonesty, with avarice, with moral laxity, and with reckless excesses." That diagnosis will not stand up. Nothing is to be gained, for the people or for medicine, as long as those who can and should effect the obviously needed betterment of the medical care of the people leave that important job to "little men with a lust for power" in government.

Industrial Preparedness

When in doubt, it is wise to give yourself all the benefits as a margin of safety. That policy is of particular moment today, because of the vagueness with which even those most intimately concerned seem to view the need for national military preparedness by the United States. It is encouraging that the Commissioner of Commerce of the State of New York, with the approval of the governor, has set out with plans to help the manufacturing industries of the state prepare for quick conversion to the needs of war. The idea of helping is particularly good.

Industrial preparedness is second to no other in importance in respect of national defense. It is to be hoped that industry, in recognition of that fact, will prepare of its own initiative. If, when, and how government essays to assist or to guide is of secondary importance. Industry, business as a whole, should be ready. It will not be wise that industrial preparedness be too little and too late, as, unfortunately, has been the military attempt to meet the Korean situation.

Already there are signs of an uncooperative attitude in business toward the exigencies of national military preparedness. Some are beginning to bewail the possibility—probability, in fact—that, on more or less justification, governmental regulations are imminent with respect of prices, profits, allocations, quotas, and so on. Under the conditions which are not at all improbable, such regulations are inevitable, for the very simple reason that their necessity cannot be denied.

Business could do much to lessen the stringency of such regulations. But, there is too prevalent the view that "regulation is for the other fellow not for me." That view wrecked the biggest opportunity business ever had, under the national industrial recovery act, to become almost wholly self-regulating. True, many, doubtless most, members of the business world do not require governmental regulation under any conditions. Such regulations as must be, therefore, have no more application to them than a "No Smoking" sign has to a nonsmoker. Nobody argues that for that reason there should be no regulation of smoking, although very few interest themselves in observance. That is the trouble with reference to regulations on business—few, if any, will even help government to enforce them, even when jeodardized or harmed by what the enforcement would correct.

There is going to be industrial mobilization. The sooner, the better. And the best will be the extent to which industry itself does the job. Plans have already been discussed with business leaders by the National Security Resources Board. There has been apparently more discussion with labor leaders. And with its customary acumen and foresight, organized labor is setting up a committee with the purpose of getting a more satisfactory role than it had in connection with World War II.

Organized labor has asked, and doubtless will get, "full and adequate representation" in the policy-making, planning, and operating of any governmental organization which may be set up for mobilization. Management, presumably, need make no such demand; but it must be ready to be so represented in those functionings that it can meet the representatives of labor on a parity and outmatch words with deeds in contribution to the national emergency.

For the Bookshelf

How to Become a Successful Speaker. By Harold P. Zelko, with a foreword by Louis W. Lerda. Cloth; xi+160 pages. New London, Conn.: National Foremen's Institute. $2.50.

Mr. Zelko is associate professor of public speaking at The Pennsylvania State College; Mr. Lerda is director of the Esso Training Center of the Standard Oil Company of New Jersey. The latter comes in because, as he says, "management has recognized what an important part speech plays in its total problem of communications." Anybody who has listened to discussions between representatives of management and of labor can add another need that should be recognized by the former.

Setting forth that "your speech is important," Mr. Zelko tells what makes it effective. His best message is on the ten pages devoted to "have something to say." It takes a goodly measure of expertness to conceal thoughts in spech or to try to make verbal bricks without either straw or clay.

Although Mr. Zelko leans a bit toward the oratorical, his book will help in its purpose, even those who are put on convention programs.

Washington Talks It Over

—*Continued from page 5*

ber of changes, but revisions of these sections are listed in an instruction sheet printed with the general revision. Section X has not been revised and is not included.

The complete reprint and list of changes are bound together as one document, "Armed Services Procurement Revision, Revision No. 1, June 1, 1950." It is an essential book for those persons having dealings with the procurement officers and may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C., at 45 cents a copy.

Philippine Economic Problem

President Truman, acting on the request of President Quirino, is sending an American Economic Survey Mission to Manila to study and report on the present economic problems of the Philippines. Daniel W. Bell, president of the American Security and Trust Company and formerly Under-Secretary of the Treasury, will head the mission.

The young republic has been having a hard go of it ever since it was given its independence four years ago. It has been unable to lift itself from the economic destruction left in the wake of the Japanese invaders, and also it has been split internally by Red revolutionists. Its financial situation has been going from bad to worse, and just recently it had to take vigorous new steps to conserve its foreign exchange.

The mission will survey the entire Philippine economic situation, to make recommendations on measures of self-help which might be undertaken by the Philippine government itself and to make recommendations on ways in which the United States might be helpful.

Industrial Accidents Lessen

The stress being laid, through the President's Conference on Industrial Safety and other mediums of exchanging information, upon the economic losses to industry as a result of industrial accidents seems to be having its effect. The Department of Labor keeps a close check on work injuries, making quarterly contacts with about 11,700 units in 131 manufacturing industries employing over 4,500,000 workers, and its records are encouraging.

The average injury-frequency rate for all establishments reporting in the first quarter of 1950 was about 2 percent higher than in the fourth quarter of 1949. This was not unexpected. A moderate upswing in injury rates from the lows recorded in the last quarter of the year to the first quarter of the following year had been noted in three of the six previous years for which comparable date are available. What is encouraging, however, is the fact that the 1950 first quarter rates were about 11 percent under those for the corresponding period of 1949, indicating a continuing favorable trend in safety work.

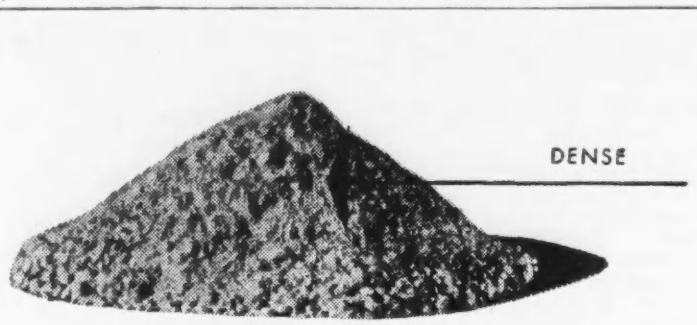
Working time lost during the quarter by injured persons is estimated as about 1,600,000 mandays. At current wage levels this represents an estimated value of about $16,000,000.

Highway Financing Problem

The historical 50-50 federal-state matching formula for the federal-aid highway program may go by the board this year. A subcommittee of the senate public works committee is proposing that, in the future, the federal government put up 75 percent of the cost of new highway construction and the states 25 percent.

It has been convincingly argued before the committee that the states just do not have the funds to meet their share of the costs of new highway construction and repair of old highways. During the war there was very little new construction and not a great deal of repair work because of lack of materials and labor, and as a consequence the highways have reached such state of disrepair that the states just can't catch up with the limited funds they have available.

With so many people taking to the highways nowadays and with so much of the commerce of the nation moving by motor transport the matter of matching funds for highway construction and repair is of importance to everyone, because it means the difference between only a small amount of work done each year, or a lot of highway building each year.



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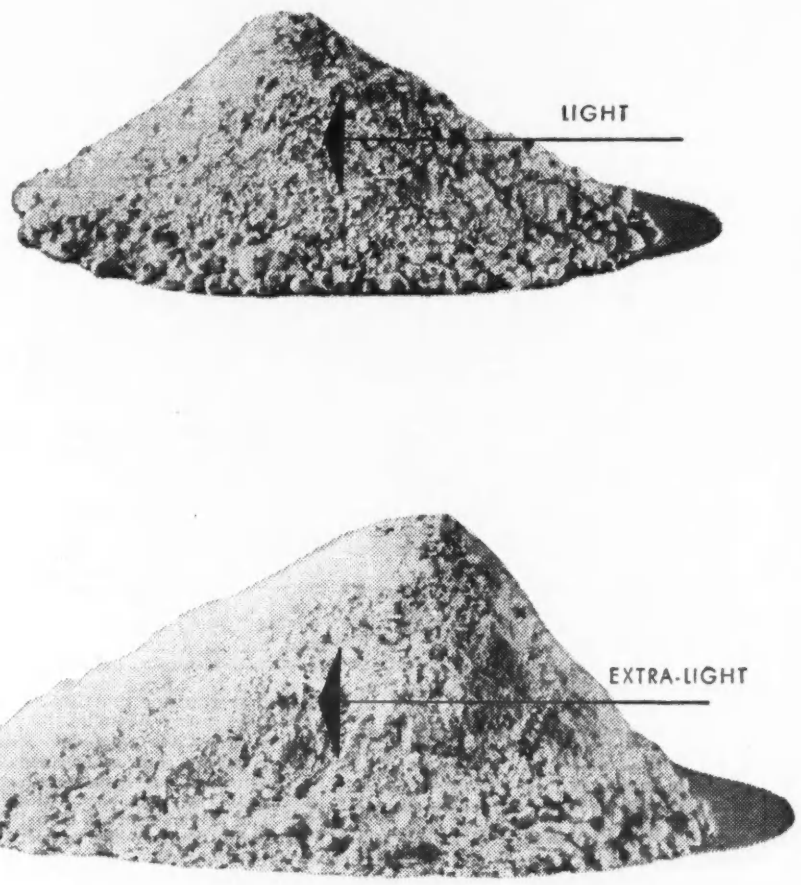

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Heavy Chemicals

Price advances again featured the heavy chemical market last week. The industrial grade of methyl chloride was increased in price on July 15. The sharp uplift in tin metal was promptly reflected in tin chloride, crystals, oxide, sulphate, tin tetrachloride and sodium stannate. In the nonferrous metal group, lead, platinum and tin prices were advanced. The uplift in metallic tin was spectacular with buying interest active here and in London and Singapore. Lead advanced on reports that developments in the Far East may shut off foreign supplies. Higher producing costs were primarily responsible for the upward movement in platinum. Copper and zinc continued firm under a strong demand.

Inquiry for heavy chemicals has increased appreciably and the supply situation has revealed shortages in several directions. It was apparent that the chemical production of this country is having difficulty in meeting the requirements of a wartime economy and a peacetime economy at the same time. At present, producers have found it necessary to allocate carbon tetrachloride and all of the nickel based chemicals. The strike at the plants of a large alkali and miscellaneous chemical producer is contributing to the scarcity in many directions. Production at these plants has been shut down since June 12. Chlorine is definitely tight with producers behind on shipments. Soda ash is also scare with caustic soda following closely in its wake. The entire alkali group in fact is unbalanced and getting worse with each successive week. Caustic potash and potassium carbonate are exceedingly short. Producers are shipping copper sulphate from current production and one of the largest suppliers has withdrawn from the market until October. Stocks of zinc sulphate have tightened sharply with demand averaging 20 percent above normal.

Paper production based on a percentage of six-day capacity was 54.7 percent for the week ending July 8, according to the American Paper and Pulp Association. This compared with 104.0 in the preceding week and 43.7 for the corresponding week in 1949.

Export figures appearing below, unless otherwise designated, are from the Department of Commerce.

Aluminum Sulphate — Market position firm for iron free and commercial. Demand active particularly from paper mills. Production well geared to meet requirements. April exports totaled 1,716,000 pounds including 668,000 pounds to Guatemala, 574,900 to Colombia and 160,000 pounds to the Canal Zone.

Ammonia Anhydrous — Production appears to be leveling off requirements and the market showed a satisfactory state of balance with prices steady. The export movement in April amounted to 1,369,693 pounds. Canada received the largest shipments totaling 794,860 pounds, British Malaya was second with 170,750 pounds and Mexico third with 130,302 pounds.

Calcium Carbide — Domestic demand steady and leaning toward expansion as a result of heavy call for acetylene gas. April exports amounted to 1,409,240 pounds with Canada taking 1,000,000 pounds and the Philippine Republic 204,700 pounds.

Calcium Chloride—Market strong with production cutback and demand from municipalities increasing. Foreign shipments in April totaled 4,717,024 pounds with 4,120,430 pounds destined to Canada and 100,000 pounds to Mexico.

Carbon Tetrachloride—Buying interest has increased and demand has exceeded output. Producers have now found it necessary to allocate production to contract customers. The continued shortage of chlorine and a heavy consuming demand are factors primarily responsible for the present situation.

Chlorine—Consuming demand heavy and in excess of current production with an important producer still closed down on account of labor difficulties. It was stated that there is not a producer who is not behind on shipments and at present there is no improvement in sight. The April export movement amounted to 1,133,769 pounds with 1,028,000 destined to Canada.

Copper Sulphate—Practically all producers' stocks are under contract and one producer has temporarily withdrawn from the market probably through September. Shipments now are confined to contract consumers with the movement running slightly behind schedule but no one appears to be seriously hurt for the want of stocks. Demand has topped production and the supply at present is definitely short.

Methyl Chloride—Price schedule for the industrial grade has been advanced to cover higher producing costs. The upward revision was made effective July 15. Following are the new prices:—multi unit and single unit tankcars, 11 cents; 1,300 pound (net) drums, 13½ cents, and 100 and 140 pounds (net) cylinders, 18 cents per pound. All quotations are f.o.b. works, freight equalized with any nearer manufacturing source of supply.

Nickel Sulphate—All of the producers have found it necessary to allocate material to their contract consumers. Demand for plating and other purposes has increased sharply, and there is not enough material available to meet contract requirements in full. Corbonate, chloride and other nickel salts are also being allocated.

Potash, Caustic—No improvement in the supply position last week. With one producer out of the market and demand active, the situation has remained exceedingly tight, and no indication of nearby improvement. April exports totaled 195,756 pounds, including 79,210 pounds to Mexico and 59,460 to Canada.

Potassium Carbonate — Market conditions continued similar to caustic potash. Demand is ahead of production, and some German material is being imported to help out during the current stringency. One plant has been on strike for five weeks, and this tonnage loss cannot be made up. The supply position is definitely tight.

Potassium Chlorate—July production is under contract, but August shipments were available. Steady demand from match factories reported.

Soda Ash—Supply situation tight and getting tighter. With production of one of the largest producers cut off since June 12, the scarcity is becoming more pronounced with each successive week. The effect is widespread and serious with the manufacture of chemicals depending on soda ash as a base. The April export movement amounted to 12,485,945 pounds, including 7,652,785 pounds to Mexico, 1,500,000 to Pakistan and 1,001,500 pounds to the Philippine Republic.

Soda, Caustic — Following closely the pattern set by soda ash, Surplus stocks noted a month ago have disappeared and the supply position has tightened, with solid and flaked shorter than the liquid. Meanwhile, demand has increased and is leaning toward further expansion. April exports of solid amounted to 12,127,040 pounds, and included 3,381,000 pounds to Indonesia, 2,519,015 to Mexico and 2,064,390 pounds to the Philippine Republic. Exports of liquid were 5,468,211 pounds, the largest shipments, 4,366,954, going to Cuba.

Sodium Bicarbonate — Supply position becoming tighter as the shortage of soda ash increases. Market situation firm. April exports amounted to 1,616,228 pounds, with Canada taking 859,550 pounds. Venezuela 268,580 and Mexico 210,000 pounds.

Sodium Chlorate—No easement in the supply position. Heavy demand for agriculture and industrial uses has production under contract for several weeks ahead, and the eastern producer is not in a posi-

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Lead, 1c. per lb.
Methyl chloride, industrial grade, cylinders, 1c. per lb.
Platinum, $3 per oz.
Sodium stannate, 4.6c. per lb.
Tin chloride, 6.3c. per lb.
crystals, 5c. per lb.
metal, 11c. per lb.
oxide, 6c. per lb.
sulphate, 5.3c. per lb.
tetrachloride, 5c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	Dec. 30, 1949	July 15, 1949
223.4	223.4	219.0	216.4	222.4

Acids

Last week	Prev. week	Last month	Dec. 30, 1949	July 15, 1949
121.9	121.9	121.9	121.8	122.0

(*For Current Prices see Page* 9)

tion to consider new business calling for prompt shipment.

Sodium Nitrite — Supply situation has tightened as a result of cutback output occasioned by the continuance of a strike at an important producing plant.

Sodium Phosphate—April exports totaled 1,142,064 pounds and included 374,250 pounds to Canada, 363,900 to Mexico and 106,000 pounds to Switzerland.

Sodium Silicate — Canada received 576,356 pounds in April out of total export shipments of 1,549,552 pounds, Cuba was second with 377,000 pounds and Colombia third with 330,350.

Sodium Stannate—Priced higher in sympathy with the substantial advance in the metal. Demand active enough to tighten the available supply. At the close of the week 50.7c. to 57.2c. per pound, works, freight allowed east, was named.

Tin Salts—All tin based chemicals advanced sharply last week following the upward movement of the metal. Buying interest also increased substantially with demand exceeding current output. Producing plants are now running at capacity with sales reported as far ahead as October. The breakdown at the close of the week was as follows:—Tin chloride stannous anhydrous 78.7c. to 79.7c. per pound, crystals hydrous 64½c., oxide 91c., sulphate stannous 89.5c. to 91.5c., and tetrachloride anhydrous 52.5c. to 53.5c. per pound. All prices f.o.b. the works.

Zinc Sulphate—Heavy buying of the powdered grades for Fall shipment is reported. Demand has come from the citrous belt and sales are said to be averaging at least 20 percent above normal. It was stated there has also been a sizeable pickup in demand from the rayon mills and other industrial consumers. The tone of the market is strong and the supply situation has tightened appreciably.

Acids

Chromic—Platers continued to take on stocks and the sales volume is sustained at satisfactory levels. Export shipments in April totaled 89,400 pounds including 76,000 to Canada.

Muriatic—Demand steady with production meeting requirements but no important excess stocks. Export shipments in April amounted to 478,511 pounds with 400,140 destined to Canada.

Nitric—Finding a steady outlet with demand expanding and prices firm. The foreign movement in April totaled 89,043 pounds with the Philippine Republic taking 36,880 pounds and Canada 23,813.

Oxalic—Not unusually active and demand not broad enough to tighten the supply position. Stocks continued available for immediate or prompt shipments at former price levels.

Sulphuric — Industrial demand sustained at a high enough level to keep the market in a tight supply condition. Prices firm for all grades. Exports in April amounted to 247,307 pounds including 71,350 pounds to the Philippine Republic and 61,200 to Colombia.

Nonferrous Metals

Aluminum—To clarify the designation of aluminum sheet and plate, the sheet division of the Aluminum Association has adopted standard nomenclature for these products. The following definitions were adopted:—

(1) **Plate** is a solid section rolled to a thickness of 0.250 inch and heavier, in rectangular form with either sheared or sawed edges.

(2) **Sheet** is a solid section rolled to a thickness range of 0.0006 inch to 0.249 inch inclusive, supplied with sheared, slit, or sawed edges.

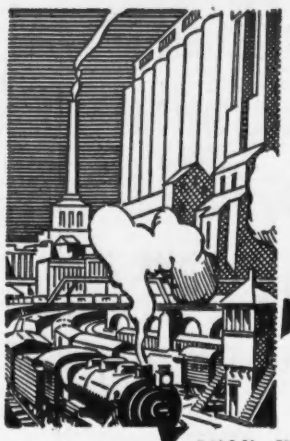
(a) **Flat Sheet** is furnished in rectangular form with sheared, slit, or sawed edges, which may be flattened by any standard method.

(b) **Coiled Sheet** is furnished in rolls (coils) with slit edges.

Heretofore, the terms "strip" and "coiled sheet" were applied interchangeably to the same product, but the new nomenclature officially recognizes the latter, a more descriptive term.

Copper—House Ways and Means Committee has approved a bill permitting one year suspension on copper tariffs and making it retroactive to June 30. Supply outlook was improved by the ending of the railroad switchmen's strike. Demand continued active with July sales reported around 90,000 tons. Prices were unchanged.

Mine output of recoverable copper in the United States increased 2 percent in May to 74,617 tons, but on a daily average basis declined 2 percent to 2,407 tons, according to the Bureau of Mines. Divergent movements in the leading copper-producing states resulted in the small



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change indicated for the country as a whole. Arizona, the leading producer, and Utah, second in importance, gained 6 and 5 percent, respectively, whereas Montana dropped 31 percent, Nevada 5 and New Mexico 4.

Increases in outputs at large copper-producing mines accounted for Arizona's rise, whereas that in Utah resulted from an increase in the tonnage of copper ore produced in the West Mountain district. A drop in the output of copper ore at the Butte operations caused the large reduction in production in Montana. The declines in Nevada and New Mexico were shared in by more than one or two producers.

Lead—Priced higher at 12c. per pound New York and 11.80c. St. Louis. The advance was a surprise to the trade as stocks had been reported plentiful due to recent heavy importations. The advance was attributed to a substantial pickup in consuming demand from European sources inspired mostly by Far Eastern developments.

Platinum—Producers advanced prices sharply last week. The new schedule shows $74 per ounce for bulk shipments and $77 for retail lots.

Quicksilver—There appeared to be a little more interest in the market and buyers were inclined to increase purchases slightly but demand was not of sufficient dimensions to lift prices. Lots of 100 flasks were priced at $70 and smaller lots at $73 to $75 per flask depending upon quantity.

San oFrancisco.—No changes have been reported here with market conditions quiet and metal quoted at $72 per flask.

Silver—Market firm with consuming demand steady. Prices have not changed since the first week in May. At New York, silver bullion was priced at 72¾c. per ounce.

Tin—Sharply higher under increased buying inspired primarily by the war scare. The market in London has also advanced and had considerable influence on the course of domestic quotations. From 80¼c. per pound the price advanced to 91¼c. with active trading at intermediate figures.

World tin metal production fell from 15,100 tons in March to 14,200 tons in April. Malayan production dropped sharply from 6,898 tons in March to 5,404 tons in April, and American output was lower at 2,484 tons. Netherlands production rose to 2,065 tons and the United Kingdom figure is estimated at 2,200 tons.

World consumption of tin metal in April increased to 12,100 tons (as compared with 11,800 tons in March), which was

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Heads Laundry Group

J. Stanley Hall, manager of the laundry and dry cleaning department of the Pennsylvania Salt Manufacturing Company, Philadelphia, was elected president of the Laundry and Cleaners Allied Trades Association at its recent convention. He has been associated with Pennsalt for the past eighteen years and with the laundry and dry cleaning department since its inception, first as assistant manager and then as manager.

mainly because of the unusually high apparent consumption in The Netherlands at 1,041 tons. The United States and the United Kingdom were both lower at 5,579 tons and 1,714 tons, respectively. World consumption in the first four months of 1950 averaged 11,375 tons a month, against 9,960 tons over the year 1949.

Zinc—Maintenance of heavy demand and a substantial drop in smelter stocks, 15,000 tons, in June were factors contributing to a strong market. Prime western was quoted firm on the basis of 15c. per pound, East St. Louis.

Total slab zinc smelter output in June was 75,766 tons, compared with the year's monthly high of 79,645 tons in May. A sharp increase in shipments of zinc to the government, principally for the national stockpile, raised shipments from smelters to 90,920 tons in June, the highest since November, 1948. Shipments for government account last month totaled 22,284 tons of 2,000 pound each, compared with the revised total of 19,036 in May, the American Zinc Institute stated. The May figure also represented a large increase over the preceding month, when the government received only 9,347 tons.

Smelter stocks at the end of June showed a decline of 26,665 tons from 41,819 a month earlier. Stocks on June 30 were the lowest since February, 1949, when they amounted to 21,100 tons. Unfilled orders at the end of June also showed a decline of 63,701 tons, compared with 66,430 a month earlier. Zinc for export and drawback accounts increased slightly in June to 422 tons from 209 in the preceding month, but was well below last year's average of 4,744 tons monthly. Stocks of prime western on June 30 amounted to 14,756 tons.

Copper Import Taxes

—*Continued from page 3*

of copper had dropped in recent months despite increased production and commented that increased stockpiling "creates a situation which virtually eliminates the possibility of any surplus copper becoming available for the rebuilding of industry stocks for some time to come."

Copper Need Cited

Simon D. Strauss, vice-president of the American Smelting & Refining Company, estimated the maximum probable domestic supply of copper over the next year at 1,020,000 tons, while industrial requirements will total from 1,260,000 to 1,380,000 tons, making it necessary to import from 240,000 to 360,000 tons. This is exclusive of stockpile requirements which are currently taking copper at the rate of between 200,000 and 300,000 tons a year, he said.

Opposition to a suspension of the tax was led by A. B. Parsons, representing the Phelps Dodge Corporation and thirteen other domestic copper producers. He said that while large imports seem to be necessary at the present time, the abnormal demand for copper, which accumulated during the war years, soon will have been made up and the domestic producers will then be able to meet the domestic commercial demand.

G.E. Still Manufacturing Laminated Plastics in Ohio

In the issue of July 3, OPD stated General Electric Company's chemical department had discontinued the manufacture of laminated plastics at its Coshocton, Ohio, plant. This was in error. The company actually is still manufacturing but has discontinued fabrication of laminated plastics there.

European Chemical Elects

Frederic R. Meyers has been elected vice-president of European Chemical Company, New York, succeeding Hans L. Schlesinger, who left the firm to found Gallard - Schlesinger Company (OPD, 7/10/50). Other officers of European Chemical are Adolph Koppel, president and treasurer, and Rolf R. Benzian, secretary.

Commonwealth Color to Move

The Commonwealth Color & Chemical Company will move to 3240 Grace avenue, New York 67, on September 1. Telephone number will be KIngsbridge 7-3700.

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Columbia Chemical Issues New Booklet on Products

"Products of Columbia," a new twenty-six-page booklet, containing an outline of the wide range of chemical products for industry offered by the Columbia Chemical division of the Pittsburgh Plate Glass Company, is now available, it was announced July 10.

The new booklet is an extensive revision of an earlier piece issued under the same title. New products have been incorporated, as well as a brief description of the nature and characteristics of all Columbia products. Included are typical uses of the various Columbia chemicals and a listing of the types of containers employed in the distribution of each.

Copies may be had upon request to the Pittsburgh Plate Glass Company, Columbia Chemical Division, Fifth avenue at Bellefield, Pittsburgh 13, Pa.

GE Assigns Franks

Howard L. Franks has been named manager of sales personnel and control in General Electric's chemical department, Pittsfield, Mass. He has been director of sales for Merrill Brothers, Maspeth, N. Y., for the past three years. Previously he was with the Charles Fischer Spring Company, Brooklyn, as sales and advertising manager, and with the Carpenter Steel Company, where he served in a number of sales executive capacities.

Juve Named Ferro Representative

R. H. Juve has beenn named technical sales representative of Ferro Chemical Corporation, Bedford, Ohio. Mr. Juve was formerly in the vinyl field at Goodyear Tire & Rubber Company, Akron; American Texolite Company, Mansfield, Ohio, and Pennsylvania Rubber Company, Jeanette, Penn.

Julius Hyman Treasurer

Dr. Lloyd M. Joshel, purchasing agent for Julius Hyman & Co., Denver, since its inception in 1946, has been named treasurer of the firm. Before joining Hyman, Dr. Joshel was with the War Production Board.

Trade Briefs

United States Testing Company has announced that O. Ivan Lee has joined the staff of the company's main laboratories in the capacity of chief spectographer.

Maj. Charles A. Morgan, jr., of the army chemical corps, who has been assigned to Monsanto Chemical Company as part of the army's industrial mobilization training program, has completed his tour duty and is being assigned to the Pine Bluff arsenal at Pine Bluff, Ark.

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Textile and Leather Chemicals

Conditions in the textile and leather chemicals market were firmer last week. There was a noticeable improvement in inquiry for replacements and the volume of purchases also was stepped up. Prices remained steady for the entire list and were advanced fractionally for sago flour and valonia cups, advancing the index 0.3 points.

Increased cost of soda ash improved the tone of bichromates and other tanning chemicals. The increase cost of zinc dust recently raised prices for sodium and zinc hydrosulphite and formaldehyde sulfoxylates.

Higher cost of corn has stiffened dextrin and starch and brought out improved consuming demand for immediate and later requirements. Potato starch remained firm at the recent advance and trading was more active for late summer delivery. Sago flour was higher with the stronger primary market. While trading in tapioca flour was limited the market displayed a steadier tone due to less selling pressure at primary centers. Improved tone also prevailed in the egg albumen market. Supplies were more closely held and some sellers were holding for higher quotations.

Tanners displayed more interest in tanning material replacements, and trading of late was more active for prompt shipment of quebracho extract, wattle bark and extract. Valonia cups were fractionally advanced for shipment, owing to more buying interest. Other materials while receiving less attention were well held for shipment.

Cotton acreage under cultivation July 1 was reported at 19,032,000 acres by the Department of Agriculture. This was 31.3 percent less than the 27,719,000 acres of a year ago. The final acreage harvested in 1949 was 26,898,000 acres. No forecast of production will be announced until August 8. If the yield per acre equals the 1939-48 average of 250 pounds, the production would total 9,506,000 bales. The 1949 production was 16,127,000 bales, the fourth largest on record.

Chemicals

Acetic Anhydride—Production in April was indicated at 65,734,440 pounds, compared with 73,287,460 pounds in March, according to the Census Bureau. Consuming demand continued fairly active and no summer letdown has been noticeable to date. Quotations were maintained at current levels.

Aluminum Acetate—Steady demand was noted for prompt delivery. Supplies were adequate to cover requirements. Quotations were unchanged and steady.

Bichromates—Firmness of basic materials kept this market in a steady position. Business continued in good volume, despite the bulk of orders was for prompt requirements. Prices were well held.

Sodium Hydrosulphite—Higher cost of basic materials kept this market firm. Consuming demand was confined to immediate needs. Prices were well held at the recent advance.

Sizing Materials

Albumin Blood—Consumers continued to restrict demand to immediate needs. Supplies of albumin and dried soluble blood were adequate to meet demand. Prices were steady at the recent reduction. Albumin blood ranged from 65c. to 70c. per pound, according to quantity and dried soluble blood at 15c. to 16c. per pound, carlots and 16c. to 18c. for lesser quantities, depending upon quality.

Corn Dextrin—Trading was reported of good volume for immediate and later delivery. Market remained steady at the recent advance of 10c. per 100 pounds for all grades. The output has been sold ahead and deliveries were still several weeks behind schedule.

Corn Starch—Consuming demand was quite active, with consumers taking larger quantities for prompt requirements. Prices were firm, at the recent increase of 10c. per 100 pounds. Price guaranteed against advance was effective to July 15. Visible corn supply was reduced 1,618,000 bushels to 38,450,000 bushels for the week ended July 8, compared with 9,867,000 bushels for the corresponding week last year, according to the Chicago Board of Trade. The 1950 corn crop as of July 1 was estimated at 3,175,600,000 bushels by the Department of Agriculture, compared with the total 1949 production of 3,377,790,000 bushels and 1939-48 average of 2,900,930,000 bushels. Indicated yield per acre is 38.2 bushels, against 38.9 bushels for 1949, and 1939-48 average of 32.9 bushels. This year's acreage for harvest, 83,100,000 acres, is the smallest since 1894. Acreage reductions in some of the higher yielding areas tended to cut the national average this year, however there were factors tending to increase yields, such as, hybrids are grown more extensively; the use of more fertilizer and power equipment and more effective insect and weed control chemicals.

Market Trends

Prices Advanced

Sago flour, 3/10c. per lb.
Valonia cups, $2 per ton.

Prices Reduced

None.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 15, 1949
225.5	225.2	222.6	286.0	317.4

(For Current Prices see Page 9)

Corn Sugar—Trading was light and spotty. Prices were steady at the recent advance of 10c. per 100 pounds.

Egg Albumen—A firmer tone prevailed and some sellers advanced quotations several cents per pound for edible flake, which ranged from $1.07 to $1.12 per pound, depending upon seller and quantity. Business was reported fairly active for immediate and later requirements. Technical grade was unchanged and well held at 72c. to 82c. per pound, according to quality. CCC's dried egg inventory May 31, totaled 87,891,560 pounds and cost $104,084,580.

Egg Yolk—Conditions in this market remained steady, with trading moderate for prompt needs. Prices were maintained at $1.09 to $1.12 per pound, depending upon quantity. Chinese yolk was steadier on spot. Quotations were unchanged at 80c. to 85c. per pound, duty paid, as to quantity.

Potato Starch—Trading was reported fair, for immediate and prompt delivery. Market was firm at the recent advance of ¼c. per pound for Maine starch. Carlots were maintained at 5½c. per pound, carlots, f.o.b. Maine mills, and at 5c. per pound, f.o.b. Idaho mills. Stocks on the spot firmer and quoted at 7¼c. to 7½c. per pound, exwarehouse, as to quantity. Demand for government starch was still limited due to buyer's objection to the handling of starch packed in 200 pound bags.

Sago Flour—This market was stronger due to the higher cost of replacements. Stocks on spot were light and were raised to 6.80c. to 7c. per pound, exwarehouse, depending upon quantity.

Tapioca Flour—Consuming inquiry has improved, especially for the low grades which are substituted for corn because of lower cost. Demand for high and medium grades was spotty. Quotations for all grades were without change. High grade was quoted at 7c. to 7½c. per pound, exwarehouse; medium, 6½c. to 7c. and low, 5½c. to 6c.

Tanning Materials

Cutch—This market remained steady at 6¾c. per pound, exdock, and was erroneously quoted at 6½c. in last week's issue. Consuming inquiry was fairly active for replacements. Recent trading took place at 6¾c. Imports totaled 1,100 bags at New York last week.

Mangrove Bark—Tanners showed a good inquiry for replacements, but business was still spasmodic. Quotations for 30-32 percent tannin were held at $60 to $61 per ton, exdock. There was no change in the tight supply condition of African bark. Offers for shipment were still scarce.

Quebracho Extract—Conditions in this market continued on a steady basis. Tanners continued to place orders for moderate quantities for prompt shipment at unchanged prices. Arrivals totaled 5,850 bags at New York last week.

Valonia—Cups were firmer and advanced to $53 per ton, exdock for shipment. Inquiry for replacements improved, though trading was reported still spotty. Beards were scarce and entirely nominal at $78 per ton, exdock. Interest in this grade was negligible.

Wattle—Tanners displayed more interest in the bark and extract for shipment and business of late showed marked improvement. Prices were firm for both items and offers for shipment were not liberal and closely held.

For Late Market Developments, See Page 4

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Agricultural Chemicals

Prices for dried blood and tankage were advanced last week in active trading. Buying interest from the stock-feed trade increased substantially and was broad enough to strengthen the undertone in bone meal and fish meal. Sales were larger in castor pomace also to the fertilizer trade. The increased demand was attributed to the current war scare and the possibility that stocks might be difficult to secure if the Korean situation becomes more serious.

There was no such reflection in the market for the basic fertilizer chemicals. Potash moved steadily against contracts with production at capacity and transportation adequate to handle the movement. Normal superphosphate remained relatively quiet with a seasonal amount of contract business placed and prices firm. Coke-oven ammonium sulphate continued in short supply for nearby shipment and converters' sulphate remained definitely short as production for the next few weeks is sold against export contracts. There was plenty of sodium nitrate to meet requirements while available stocks of ammonium nitrate were short.

Nitrogenates

Ammonium Sulphate—Bureau of Mines gives production of coke-oven sulphate at 144,445,446 pounds, an increase of 1.7 percent above the 142,096,026 pounds made in April, in that month, however, there were 5,627,810 pounds made from purchased synthetic ammonia. Production for five months ending May 31 totaled 645,634,689 pounds and 28,023,946 pounds made from purchased synthetic ammonia, compared with 721,279,600 pounds and 46,959,000 made from purchased synthetic ammonia for the corresponding period in 1949. Sales of coke-oven sulphate in May were 178,663,961 pounds, against 160,527,557 in April and 139,703,500 pounds in May last year. Total sales for five months ending May 31 were 667,115,681 pounds and 27,540,618 pounds made from purchased synthetic ammonia against 175,683,600 pounds and 47,433,900 made from purchased synthetic ammonia for the same period last year. Stocks on May 31 were 114,947,174 pounds, compared with 149,918,959 on April 30 and 32,901,000 on May 31, 1949. The present market situation for coke-oven sulphate is tight for immediate or prompt shipments but no serious shortage in sight for future deliveries. Considerable contract business has been placed covering a 10 months period. Converters' material has continued in definitely short supply.

Bone Meal—Buying interest was more active from the feed trade and the tone of the market was steadier. Steamed was priced at $58 for domestic and $56 for imported prompt shipment. The other grades were held at $62.50 per ton, f.o.b. the works.

Castor Pomace—Fairly active with the fertilizer trade taking on stocks at $30.50 per ton in bags, carlot shipments works.

Dried Blood—Priced higher with more action on the part of feed buyers. Sales reported at $6.75 per unit of ammonia, New York, and at $7.00, Chicago.

Fish Meal—May production was placed at 6,929 tons by the Department of the Interior and represents a decline of 6,839 tons from the amount made in the same month during the previous year. The decrease was largely in the production of menhaden and ground fish meal. Output of menhaden meal in May was 2,470 tons, compared with 8,718 tons in May, 1949. Production for five months ending May 31 was 6,219 tons, against 10,809 for the corresponding period last year. Total production, including ground fish, menhaden, sardine and tuna, for the first five months amounted to 28,264 tons, compared with 31,113 for the same period in 1949. Current prices for menhaden unchanged at $130 per ton in the Baltimore area, scrap remained at $122.50 per ton.

Hoof Meal—No unusual activity in this market. Last sales were at $6.25 per unit of ammonia, Chicago basis.

Sodium Nitrate—Demand holding at fair seasonal dimensions. Stocks adequate to meet requirements and no new price developments.

Tankage—Market advanced under an expansion in buying interest from the feed trade. Sales in New York reported at $7 per unit of ammonia and at $7.50 per unit in Chicago.

Market Trends

Prices Advanced

Dried blood, 25c. per unit of ammonia. Tankage, 50c. per unit of ammonia.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 15, 1949
82.2	82.2	82.2	81.6	81.6

(*For Current Prices see Page* 9)

Fertilizer Tag Sales: June

	Equivalent tons June 1950	June 1949	Jan.-June 1950
Virginia	26,770	16,943	511,782
N. Carolina	159,240	5,594	1,430,836
S. Carolina	12,398	18,910	705,615
Georgia	15,818	28,008	956,305
Florida	54,569	63,008	570,148
Alabama	71,006	74,610	824,295
Tennessee	61,345	64,664	372,738
Arkansas	29,508	35,457	290,130
Louisiana	10,926	14,242	204,481
Texas	24,116	18,151	331,530
Total South	465,696	339,587	6,197,860
Indiana	28,470	27,092	465,489
Kentucky	10,310	7,876	399,407
Missouri	282	426	292,715
Total Midwest	39,062	35,394	1,157,611
Grand total	504,758	374,981	7,355,471

Phosphates

Phosphate Rock—Domestic contract shipments holding about normal for this period of the year with the movement confined mostly to the larger audulators. Stocks meeting current requirements without difficulty and transportation adequate to insure prompt shipment.

Superphosphate—Normal grade continued relatively quiet with a seasonal amount of contract business placed. The market is described as firm with producers naming 76c. per unit of a-p-a at Baltimore and 73c. per unit at Carteret, New Jersey.

Potashes

Domestic plants are producing at capacity, demand for contract shipments is steady and transportation facilities are adequate to handle the movement from works. In other words, the market situation appears entirely satisfactory at the present time.

One of the leading German potash producers is reopening one of its mines near Gottingen. Considerable progress has been made; workings are now nearly 1,000 feet closer to the potash deposits than at the beginning of the year. The project is a long-term one which is expected eventually to double the company's output. Production of potash in Western Germany in January, 1950, rose to 73,000 metric tons K_2O—almost 5,000 tons more than in December.

Los Angeles Fertilizer Market

Los Angeles.—Price listings for inorganic material are unchanged with only moderate inquiry reported. Renewed interest is reported for organics although trading has been on the nominal side. Both tuna and sardine meal have held firm with an advance noted for blood meal and tankage.

Prices quoted were as follows:—Ammonia nitrate, $69.94 per ton, f.o.b. Los Angeles. Canadian material quoted same. Ammonia phosphate, $65.15 per ton for 16-20 grade, f.o.b. Los Angeles. 11/48 grade, f.o.b. Los Angeles quoted $89.65 per ton. Canadian material. Ammonia sulphate, $49 per ton in bags, f.o.b. Los Angeles. Canadian material same in bags, $2.50 less for bulk. Blood meal, $5.25-$5.50 per unit of ammonia at source. Bone meal, $68-$70 per ton for imported, steamed, 1-30 meal, f.o.b. Los Angeles. Domestic material, same grade, $75 per ton, f.o.b. Los Angeles. Fish meal, $120.25-$123.50 per ton for 65 percent sardine, f.o.b. Los Angeles. $108-$111 per ton for 60 percent tuna, f.o.b. Los Angeles. Nitrate of soda, $53 per ton in 100-pound bags, f.o.b. Los Angeles Harbor. $48 per ton for bulk. Potash muriate, 48½c. per unit in bulk, f.o.b. Trona basis. Potash sulphate, 95 to 98 percent K_2SO_4, 84c. per unit, f.o.b. Trona. Superphosphate, $21.20 per ton bulk, f.o.b. Los Angeles area. $2.50 extra for bags. Triple, $68.50 to $72 per ton for bulk, 47 percent a.p.a., f.o.b. Los Angeles. Tankage, wet rendered, fertilizer grade, $4.25-$4.75 per unit of ammonia at production plant.

Pesticides

Even though the agricultural chemical industry has produced the largest volume of insecticides in its history, weather and the recent strikes may cause a few spot shortages of certain materials, according to the National Agricultural Chemicals Association. Weather conditions so far this year have been ideal for the spread of major insect pests, including the boll weevil, European corn borer, and the grasshopper. It now appears that if such weather conditions continue, earlier pre-

For Late Market Developments, See Page 4

dictions of record insect invasions by the U. S. Department of Agriculture and several Agricultural Colleges may be realized.

Recent strikes have resulted in shortages of several basic chemicals, including benzene and chlorine, used in the production of insecticides, and may result in a supply situation not equalling demand in all areas. However, industry is making available to farmers the largest volume and greatest range of insecticides in history which would be ample to meet insect outbreaks in all but a few areas. The range of materials provided by industry should make possible more effective control of insect pests than ever before, and materially help to reduce the annual insect toll estimated as approaching $4 billion a year.

Aldrin—Supply situation leaning toward the tight side. Demand is active and the shortage of producers inventories is forcing shipments to be made direct from production.

BHC—Firm at 13¼c. per gamma isomer with stocks definitely short for July and most of August. Demand active.

DDT—A large producer has advanced the price to 34c. per pound for technical. The range for carlots at present extends from 32c. to 36c. per pound with producers' stocks exceedingly tight for July and August.

Pyrethrum—The Government Experimental Farm at Ol'joro Orok, Kenya, continued in 1949 its work on production of higher content pyrethrum and methods to increase the yield per acre. Three new varieties of flowers were developed—one yielded 1,970 pounds to the acre, with a 1.6-percent pyrethrin content. The other two had pyrethrin contents of 2.18 percent and 2.22 percent, respectively; they were grown at 7,000 feet and produced 600 pounds per acre.

Sulphur

Mine shipments of native sulphur in May were placed by the Bureau of Mines at 502,850 long tons, against 497,770 in the preceding month and 395,721 long tons in May, 1949. Apparent sales were 485,095 long tons, compared with 492,538 in April and 430,674 long tons in May last year. Producers' stocks on May 31 were 2,875,893 long tons, against 2,885,294 on April 30 and 3,168,051 long on May 31, 1949.

Canadian production of sulphur in 1949 amounted to 249,205 short tons, compared with 229,463 in 1948.

Rumania has recently received from the U.S.S.R. a shipment of sulphur for tree-spraying and a special fertilizer known as Kainita for use on state and collective farms.

Synthetic Nitrogen Products Sets 'Cal-Nitro' Delivery Dates

Synthetic Nitrogen Products Corporation, New York, last week notified its customers that to make possible continuous peak production with full utilization of storage facilities each buyer's total tonnage of "Cal-Nitro" for the 1950-51 season will have to be delivered approximately as follows:—

July to October, inclusive, not less than 15 percent of customer's total; November through January, not less than 30 percent of total; February through April, not less than 40 percent of total, and May through June, less than 15 percent of total.

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Coaltar Chemicals

Synthetic phenol was advanced 2c. per pound across the board on spot by one producer last week. Back of the price rise was the increased raw material costs of ingredients.

There was said to be an increase expected in aromatic solvents. This, however, was only a rumored conjecture spurred on by the critical shortages in benzol, toluol, and xylol together with the recent upward adjustment effected by the petroleum industry.

Most basic products were in continued short supply, with the exception of naphthalene and pyridin, but the current shortages were regarded as no worse than those which have prevailed in the market over recent months. Most critical of all, and perhaps the item of widest general influence because of the many derivatives dependent upon it, was benzol. This item was critically short, and the market was faced with the possibility of the government expanding the rubber reserve because of its opening up new rubber plants last week.

Phthalic anhydride was still under heavy pressure of demand, and the onrush of orders after a considerable buying lull, caused a temporary shortage prior to the resumption of larger scale production. There was nothing critical about the present shortage, and with ample naphthalene available together with greatly expanded plant production facilities, the temporary shortage was expected to be relatively short lived. Meanwhile, maleic anhydride was in ample supply with demand continuing relatively sluggish. Prices were firm, and no greatly expanded buying interest was anticipated.

Cresylic materials from coaltar sources remained tight, but the shortage was not felt likely to become any more intense than it has been. Petroleum cresylics were firm and enjoying moderately good volume in certain end-uses.

The American Iron and Steel Institute reported steel production for the week ended July 15 as 96 percent of theoretical capacity. This was equivalent to 1,830,000 tons of ingots and castings, compared with 1,765,200 tons the previous week, and 1,434,300 tons one year ago. Plans for plant-wide vacation schedules were formulated some time ago, according to the steel industry reports, and during that time production may well fall under the 100 percent figure for a few weeks.

Basic Products

Benzol—Any upward price adjustment on this item, following the June 1 advance, remained a matter of rumor. There was considerable talk of the possibility of a price rise, but no action as of presstime. Whether or not there would be such action in the immediate future was a matter of conjecture.

Meanwhile, supplies were critically short, a situation unchanged from that which has characterized the market over recent weeks. Trade sources felt that the supply picture in view of the Korean war was likely to get worse before it gets better. This was felt to hinge primarily on whether or not the government sees fit to increase the rubber reserve significantly.

With production of phenol, styrene, and the various nitrated and chlorinated benzol derivatives continuing under heavy pressure of demand, competing for the available benzol, there were no prospects for any immediate relief from the shortage.

Creosote—Supply and demand were said to be in good balance with ample quantities available to take care of the sustained high level of consumption from the wood preserving industry. Imports were fairly heavy, augmenting the considerable domestic output.

Cresol—Cresols were tight, but the shortage was viewed as being no worse than it had been over recent weeks. Demand for the manufacture of resins and plasticizers was strong, and the shortage of cresol was sufficient to create a shortage of certain grades of plasticizer and resinous materials. Prices maintained their recently established higher levels, and no further change was expected for the balance of the quarter.

Cresylic Acid—Coaltar material, particularly of the low boil type, was regarded as quite tight with the result that there was a shortage of plasticizers based on coaltar type cresylic acid. As a consequence producers of tricresylphosphate made from both coaltar and petroleum acids were pushing the petroleum based type because this represented a more stable and available supply.

Prices were firm at levels recently established, and no change was expected to develop before the end of the quarter. Producers of coaltar material were of the opinion that a scarcity would continue to characterize the market over the weeks immediately ahead, but felt that the current shortage was no more severe now than it had been.

Naphthalene—This was one basic coaltar material which was still in ample supply. The temporary shortage of phthalic anhydride was primarily a matter of resuming a fuller scale production from the use of existing plant facilities. The steadily increasing output of phthalic anhydride, however, will call for increasing quantities of crude naphthalene.

From an overall point of view, there was not expected to be more than a normal increase of demand for naphthalene because the increased demand for phthalic anhydride is simly the result of normal increased buying after a considerable lull. The greatly expanded plant capacity for the production of phthalic anhyride, together with the ample supply position of naphthalene, argued against any prolonged scarcity of phthalic anhydride. It would take a very heavy expansion of current explosive production and other war items to produce a real phthalic shortage, and the war has not yet reached that stage.

Phenol—Producers were still hard pressed to take care of the immediate needs of established accounts. In those rare instances where a contract consumer failed to take out his full quota, there were others anxious for the material. Consequently there was virtually no phenol to be had on spot. The price pattern established at the third quarter was still in effect on contract, but one maker of synthetic upped spot prices 2c. per pound.

Supplies were severely hampered by the competing demand for the available benzol for its manufacture, by such other large volume items as styrene and the various chlorinated benzenes. Producers of both styrene and phenol had a perpetual problem of allocating their available benzol between styrene and phenol production, but tried to do it in a manner which would take care of the minimum immediate needs of consumers in the most equitable manner.

Pyridin—The price pattern of refined material was unchanged despite a seasonally weaker market. Pharmaceutical demands were off considerably from the extraordinary levels of the Winter months, but in relation to the preantihistaminic upsurge, busines volume was still good.

Solvent Naphtha—Demand was running far in excess of the available supply. Prices were unchanged from levels which have prevailed over recent months, and did not advance along with the upward adjustments with other aromatic solvents.

Toluol—The recent advance in the price of petroleum source material brought rumors of a possible second increase in the price position of coaltar source toluol, but as yet no such price pattern had developed. Whether or not it would was a

For Late Market Developments, See Page 4

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 15, 1949
107.5	107.5	107.7	110.1	110.4

(*For Current Prices see Page 9*)

Coke By-Products

Estimates of by-product cokeoven operations in the week ended July 1 indicate the following output of by-products from that source:—

Ammonia liquid NH_3	lbs.	1,065,999
Ammonia sulphate	lbs.	27,603,783
Benzol	gals.	3,478,525
Coaltar	gals.	12,904,207
Creosote oil	gals.	718,147
Naphthalene, crude	lbs.	1,705,699
Phenol	lbs.	201,978
Toluol	gals.	695,705
Xylol	gals.	157,094

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matter of conjecture. Meanwhile, the supply position of the item was short, and demand having been at abnormal levels over recent months, and still continuing strong, there was no immediate prospect for any significant easing. Any prolonged duration of the current war was felt likely to make matters worse from a supply point of view.

Xylol—Coaltar source material was critically short, demand was said to be strong with no evidence of any let-up from consuming industries. The higher price pattern recently adopted by the petroleum industry was rumored to be possibly soon reflected in the coaltar price structure, but there was no confirmation of this as of last week.

Intermediates

Anilin—The market was strong with inadequate supplies against a strong demand, production being hampered by the lack of sufficient benzol. Established accounts were being fairly well taken care of, but there was little if any material available for spot. Scrap iron prices on borings and turnings stood at $18 to $20 per ton f.o.b. New York, car or barge. Prices were firm at their recently established price schedule, 1c. higher than during the second quarter. Baring a substantial rise in raw material costs, the current price schedule was felt likely to prevail for the balance of the quarter.

Cyclohexane—Price schedules currently prevailing on this item were firm at 9½c. per pound in tankcars, 11c. in drum carlots, and the less than carlot drum price finally settled at 11¾c. per pound, being established at a ¾c. spread between carlot and less than carlot drum quantities. Supplies were said to be adequate for the sustained good demand which has been characteristic of the market over recent months.

Dinitrobenzene—The supply of this item was regarded as adequate to take care of immediate needs, being consumed in lesser volume than many intermediates it was not so keenly reflective of the benzol shortage as the large volume chemicals. Prices were firm at 17c. per pound in drums for crude, and 18½c. for purified.

Ditertiarybutylmetacresol — This item moved in good volume under a firm price position in which tankcars were quoted at 31 cents per pound, drum carlots at 32 cents, and less than carlot drum quantities at 33 cents. These prices were on an f.o.b. plant basis. Supplies were said to be not critical, but somewhat pressed by the sustained heavy demand.

Ditertiarybutylparacresol — Supplies of this item were reported as adequate, but not abundant, with consumers able to get sufficient quantities for their immediate needs. Prices were firm at 91 cents per pound in carlots and 95 cents in less than carlot quantities. Demand for the item was considerably less than for the meta material.

Maleic Anhydride—Demand for this item was still on the sluggish side, with supplies quite ample. The temporary shortage of phthalic anhydride was viewed as only temporary, and was not likely to result in any sudden spurt in demand for maleic. If there were such a spurt, it was felt that it would not be long lived. So long as phthalic anhydride is available in adequate amounts at current prices, the interest in maleic as a phthalic replacement was regarded as relatively inactive.

However, should the current war become prolonged, a considerably wider interest in maleic would be likely to develop. In that event, the ample supply picture of today would quickly change into one of acute shortage because there would be insufficient benzol available for any greatly expanded maleic production. The need for phthalic replacement by maleic was felt afar off, however, because of the ample quantities of naphthalene available and the greatly expanded phthalic plant production capacity of the country, compared with the immediate postwar period.

Monochlorobenzene—Prices were firm at their recently established higher levels. The pressure of demand was heavy against a severe shortage of supply, due to the shortage of both chlorine and benzol. The strike in the plants of a major producer was still in effect after five weeks, creating a more severe shortage of not only monochlorobenzene itself, but of chlorine for the chlorination of a wide range of other chemical intermediates.

Nitrobenzene—The price structure on double distilled nitrobenzene was unchanged, and did not move up in price at the end of the last quarter, despite the increased cost of benzol. Supplies of the item were adversely affected by the benzol shortage. Demand as an intermediate

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in the manufacture of anilin was strong, although much anilin is also made from monochlorobenzene.

Phthalic Anhydride — The temporary shortage of phthalic anhydride continued last week, but there was nothing critical about it. Primarily it was caused by the sudden resumption of orders after a prolonged business lull. This cleaned out warehouses before plant production schedules could be stepped up sufficiently. The overall plant capacity of the country together with the ample availability of naphthalene were felt to likely prevent any real or sustained shortage.

Producers were inclined to feel that it would take a greatly expanded war production effort, with explosive and other industries operating at heavy volume, before the phthalic anhydride production capacity would be seriously taxed. No such war demand was immediately in prospect. If Atlantic shipping or foreign exports of crude naphthalene were cut off and the industry had to depend exclusively on domestic naphthalene for its phthalic, then a shortage would quickly develop. No such curtailment in the supply of imported material could be seen as likely to develop in the months immediately ahead.

Resorcinol — Heavy demand for the resin grade of this item characterized the market. Prices on the resin grade were quoted firmly at 71 cents per pound in carlots and 72 cents in less than carlot quantities, on an f.o.b. works basis. Meanwhile, the technical grade of somewhat higher degree of refinement was quoted at 74 cents per pound in carlots and 75 cents in less than carlot drum quantities. The USP material was in limited demand at $2.50 per pound for crystals and $2.70 per pound for powder. Supplies on the USP material were abundant. On the technical and resin grades, supplies were regarded as adequate.

Tar Acid Oils—Demand for these blends of cresylic acid with neutral oil were regarded as holding up well under a firm price structure. There has been a marked price stability in these acid oils over recent months. When cresylic acid moved down, the tar acid oils did not decline correspondingly, and accordingly when the price of acid advanced recently, the tar acid oils did not move along up. Tankcar prices stood at 33 cents per gallon for the 15 to 18 percent oil, 40 cents for the 25 to 28 percent oil, and 50 cents for the 50 to 53 percent oil. The usual differentials for drum quantities over tankcars prevailed in which drum carlots were priced 8 cents higher and less than carlot drum quantities 11 cents higher than tankcar quantities. Demand from the disinfectant industry was reported as steady.

Triphenylguanidine—The price position of this item was regarded as quite firm at 90 cents per pound f.o.b., works in barrels. Supplies were said to be adequate to take care of the moderate demand.

Baker Observes 30 Years With Gen'l Aniline & Film

Russell I. Baker, plant manager of the Grasselli (Linden) Works division, General Aniline & Film Corporation, observed his thirtieth anniversary with the company on July 9. Mr. Baker joined the company as a chemist in 1920 when the plant was one week less than five years old. At that time, several sulphur color dyestuffs and a few intermediates were the principal products. Today the 115-acre plant on Staten Island Sound manufactures more than 1,000 different dyestuffs, intermediates, detergents, and special products in the electronics and plastics fields.

In his years at General Aniline he has steadily advanced through the ranks from plant chemist to department head to assistant plant manager and, for the past two years and eight months, he has held the top post in the plant.

G. E. Assigns Somers To Detroit Sales Post

James F. Somers of the General Electric Company's chemical department has been named to the Detroit sales office on phenolic compounds and phenolic resins. Mr. Somers first joined the company in 1943, in the phenolic compound manufacturing control laboratory. The following year he was assigned to the new product development laboratory, remaining there for two years before joining chemicals sales at Pittsfield, Mass. In January, 1949, he was given special field assignments in the midwest and, prior to his present appointment, he was headquartered at the Coshocton, Ohio, plant.

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Du Pont Names Acetate Lab In Honor of Dr. Benger

The acetate research laboratory of the Du Pont Company's rayon department at Waynesboro, Va., has been named "The Benger Laboratory" in honor of Dr. Ernest B. Benger, former manager of the rayon technical division.

One of the country's outstanding scientists and an authority on synthetic textile fibers and packaging films, Dr. Benger retired three years ago on the thirtieth anniversary of his employment with the company as a research chemist.

General Aniline Appoints Werner to Grasselli Post

Dr. Jesse Werner has been appointed assistant to the process development manager of the Grasselli Works division of General Aniline & Film Corporation. Prior to assuming his present position Dr. Werner had been a section leader on the process development staff for several years.

Monsanto Reassigns Stewart

J. W. Stewart has been appointed field research supervisor for textile chemicals for Monsanto Chemical Company's Merrimac division. At the same time, the division announced formation of a new research unit, headed by Mr. Stewart, to perform application research at "grass roots" levels. A former member of the Merrimac textile chemical sales department, Mr. Stewart joined Monsanto in 1947.

Hilton-Davis Offers Chrome Colors

Two new chrome colors of interest to woolen and worsted manufacturers have been added to the textile dyestuffs line of the Hilton-Davis Chemical Company Division of Sterling Drug, Inc. They are being marketed as "Hidachrome Orange G Concentrated" (Color Index Number 40) and "Hidachrome Yellow 2-G Concentrated" (Color Index Number 36).

F.J. Stokes Releases Catalog

F. J. Stokes Machine Company has released a new sixteen-page data book and catalog entitled "Stokes Freeze-Drying Equipment for Research and Industry" (catalog No. 706). The publication outlines basic principles of freeze-drying and describes and illustrates both the freeze-drying equipment available for research and production, and the necessary auxiliary equipment. Copies are available upon request to the company, 5900 Tabor road, Philadelphia 20.

Nichols Corp. Sets Up Spray Drying Division

Nichols Engineering & Research Corporation, New York, has established the Nerco-Niro Spray Dryer Division. The new division will coordinate Nichols engineering and research activities will those of A/S Niro Atomizer, Copenhagen, Denmark. Bulletins and technical reports are available in several languages from the Nichols company, 70 Pine street, New York 5.

Safety Equipment Lab Dedicated in Pittsburgh

The world's largest research laboratory devoted to the development of safety equipment for all industries was dedicated in Pittsburgh, recently by the Mine Safety Appliance Company. About 400 leaders in safety and industrial hygiene and health, as well as top industrial executives, attended the dedication exercises. Principal speaker at the ceremonies was Ned H. Dearborn, president of the National Safety Council, who hailed the opening of the laboratory as one of the most significant advancements in the history of this country's industrial safety movement.

Trade Briefs

John W. Cross, process engineer with Monsanto Chemical Company's Merrimac division, has been appointed process engineering group leader.

Patrick M. Carmondy, division field operating assistant in the New York Metropolitan area of Socony-Vacuum Oil Company, has been made division operating manager of the company's Lubrite division, covering 10 midwestern states, with headquarters in St. Louis. Mr. Carmondy has been associated with Socony-Vacuum for the past twenty-two years.

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Drugs and Fine Chemicals

Notable among the price changes in this market last week was a 5 cent per pound advance on all grades of refined glycerin, reflecting the steadily rising costs on crude and on various natural raw materials. Cocoa butter moved up 4 cents per pound as a result of a stronger commodity market. Accumulated increases in lead metal gave rise to 1 cent per pound increase on USP lead acetate. Iron chloride crystals of USP quality were ¼ cent per pound higher.

Natural methanol of the denaturing grade was quoted at levels 10 cents per gallon over former schedules. Lithium salts were lower. The scarce molasses market commanded prices 2 cents per gallon higher. Declines were few, and included a 50 cent drop per gram for digitoxin as a result of competitive influences from abroad and distressed material on the domestic market. Menthol afloat was quoted 15 cents per pound lower with little interest in a seasonally slow market. The index fell 0.3 point becoming 253.2.

Molasses was quoted at New Orleans with no offerings beyond July, in a critically tight market that indicated bleak prospects and higher prices for the period between now and the arrival of new crop molasses in early 1951. Alcohol producers were hampered by a lack of molasses, and production was curtailed to the point where supplies were no longer regarded as free. The propyleneglycol market recently firmed considerably. Methanol was still in good supply, but the future was uncertain, depending upon the extent to which the war needs might shift methanol manufacturing equipment to the production of ammonia for nitrates and explosives. The formaldehyde supply would of course depend upon what happens in the methanol market.

Vitamin A low potency fishliver oils were still low priced, but our source being primarily in, and dependent upon, the Far East, the current war was a threat to both production and shipping. The result was expected to be a sharp firming of the market and possible short supplies in the very near future.

Alcohol—Higher alcohol prices were effected on the West Coast last week, but Eastern price schedules were unchanged and the feeling was expressed that in view of the heavy contract business that current prices would prevail until the end of the quarter. Prices on the West Coast were said to be quoted in some instances at levels 6 cents higher than formerly.

Meanwhile, the supply position of alcohol tended to grow tighter. Molasses was so scarce that prices in New Orleans had advanced to 13 to 13½ cents per gallon for prompt shipment, and nothing was being offered beyond July. Future prospects were bleak in the molasses market with supplies dwindling and available material apt to be traded in limited quantities at still higher prices, perhaps as high as 17 to 18 cents per gallon. Potatoes were becoming more and more attractive.

On top of the curtailed domestic alcohol output, caused by the shortage of molasses which could not be relieved until the new crop comes in early next year, was the threat of increased demand and possible stock piling by the government due to the present war effort. Methanol was likely to tighten in supply and the demand for ethyl alcohol for rocket fuel, and for rubber intermediates production, to increase.

Atropine—The pressure of foreign manufacturers—particularly those of England—continued under conditions which the domestic producer of the belladonna derivative considered unfair. Subsidies and the like have come into the foreign picture and American manufacturers find it difficult to meet the competition thereby made possible. The fact is that when imported sulphate was $2.50 per ounce, belladonna leaves were priced at 12c. per pound on spot. Today, sulphate is $6.25 per ounce while belladonna leaves are 43c. per pound on spot. If the prewar ratio between sulphate and leaves existed today, belladonna leaves would be priced at 30c. on spot.

Castor Oil—The oil market remained firm with prices well sustained. Beans were still quoted at $115 per long ton, but futures were said to be $110.

Imports of beans last week totaled 13,696 bags equivalent to 2,054,000 pounds, compared with 1,667 bags or 250,050 pounds the previous week, and 2,875 bags or 431,250 pounds during the corresponding week of last year.

Total imports since January 1 of this year amounted to 817,215 bags, equivalent to 122,582,250 pounds, compared with 941,432 bags or 141,214,800 pounds during the corresponding period of 1949.

Cocoa Butter—Because of a sharp rise in the price of cocoa beans, makers of butter raised their quotations to the basis of 64c. to 69c. per pound and ventured the opinion that current strength of the market would be likely to continue for some time to come. The fact was that dealers of cocoa bean derivatives were ready buyers of any merchandise offered from foreign ports—particularly from England.

Colchicine—Pressure in the form of competition worked in the direction of lower prices if, indeed, actually lower prices were not instituted in the case of major producers. Talk of goods available at $74.50 was noted as compared with the $79 per ounce more generally quoted in major directions. However, raw material prices have dropped considerably and once production starts from this lower priced merchandise, suppliers of the derived product are disposed to believe that quotations will be officially reduced.

Digitoxin—Domestic manufacturers in almost all cases name a product at $8 per gram as minimum. Against this, however, was the existence of imported material as well as some distressed goods of domestic manufacture. The market, under such circumstances, was being shaded to as low as $7.50.

Fishliver Oil—The price position of low potency oil ranging from a potency of 6,000 to 60,000 vitamin A units per gram had sunk under the pressure of Japanese and Korean competition to a point where production by this and several other countries had been discouraged to a state of virtual discontinuance of operations. This left far eastern imports as our principle and almost only source of supply.

Prices quoted on these oils in OPD ranging from 9 to 10½c. per 1,000,000 units represents the smaller quantity marketing level of crudes, and does not attempt to reflect the large volume price at which processors can buy the material in primary foreign markets. This level ranges anywhere from 5½c. to 8½c. per 1,000,000 units, and is dependent upon what kind of a deal the large buyer can make in the Far East at any particular negotiation.

Currently, the Korean war, threatening to develop into a widespread conflict of long duration, was regarded in the trade as definitely jeopardizing the Far Eastern sources both with respect to production and shipping. Accordingly, there was a strong possibility that within a matter of weeks supplies would be curtailed to a point where low potency vitamin A oils for use in feeds or in concentrating, would become scarce and the market price advance markedly. This would be so, irrespective of the low cost of synthetic Vitamin A materials, and a world shortage of vitamin A oils was viewed in prospect if there is a prolonged war. Under these conditions, some traders were contemplating the laying in of substantial stocks.

In the more concentrated and higher refined oils, there was a temporary firming of the market in oils of 60,000 to 150,000 vitamin A unit potency. This firmer market, discounting the war situation, was regarded as temporary because it was primarily induced by a single large volume purchase which put a strain on stocks. However, in view of the war possibilities, there was existent in the market a potential sustained firmness.

Fishliver oil concentrates, and the refined higher potency oils were selling in a

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Cocoa butter, 4c. per lb.
Glycerin, refined, all grades, 5c. per lb.
Iron chloride, USP, crystals, ¼c. per lb.
Lead acetate, USP, 1c. per lb.
Methanol, natural, denaturing, 10c. per gal.
Molasses, blackstrap, 2c. per gal.

Prices Reduced

Digitoxin, 50c. per gm.
Lithium carbonate, NF, 5c. per lb.
citrate, NF, 20c. per lb.
hydroxide monohydrate, 10c. per lb.
Menthol, afloat, 15c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 15, 1949
253.7	253.5	257.6	254.4	262.0

(For Current Prices see Page 9)

low priced market in which since the middle of June, the price levels per 1,000,000 units based on the 1894 conversion factor were as follows:—

On 100,000 unit oil, 15 cents; 200,000 unit oil, 16 cents; 300,000 unit oil, 17 cents; 400,000 unit oil, 19 cents; 500,000 unit oil, 20 cents, and 700,000 unit oil, 22 cents.

On the basis of Morton-Stubbs corrected E x 1900, the price schedules currently prevailing in the market were quoted per 1,000,000 units as follows:—

On 100,000 unit oil, 16 cents; 200,000 unit oil, 17 cents; 300,000 unit oil, 18 cents; 400,000 unit oil, 20 cents; 500,000 unit oil, 21 cents, and 700,000 unit oil, 23 cents.

Synthetic vitamin A palmitate and acetate were unchanged in price since early April when a price of 24 cents per 1,000,000 units was established.

Formaldehyde—The heavy sustained demand was being promptly supplied from ample stocks. Whether or not supplies might become short in the months immediately ahead by reason of the need for expanded war production of materials based on formaldehyde, was primarily a matter of how much methanol producing equipment is turned over to the production of ammonia for nitrate and explosive manufacture. The country's greatly expanded production facilities for both methanol and formaldehyde were of such capacity as to likely delay any serious shortage in the immediate future.

Gelatin—May production stood at 3,085,267 pounds of other than photographic grades, compared with 2,697,888 pounds in April. After sales totaling 3,402,097 pounds, stocks left at the end of May were 6,239,776 pounds.

Glycerin—Prices advanced 5 cents per pound across the board on refined grades last week. The differentials were unchanged, and quotations remained on a delivered basis. Supplies were reported in balance with demand, there not being any accumulation of inventories, but adequate material available for the needs of consumers.

Crude soaplye and saponification prices at presstime were not as yet established and no definite quotations were available. That the price level would move up was a certainty, but at what level business could be done had not as yet been determined.

In tankcars on a delivered basis under the new price schedule for refined glycerin the dynamite grade was quoted at 28½c. per pound, the high gravity grade at 28¾c., the refined British Pharmacopea 98 percent material at 30c., the Cp and USP 95 percent material at 29¼c., and the yellow distilled at 29⅝c. per pound. There was the usual ½c. per pound price spread between tankcars and drums, and between carlot and less carlot drum quantities. Back of the price advance was the continued increased cost on raw materials and manufacturing.

Iron Chloride — USP crystals were quoted ¼c. per pound higher in drum quantities, the price ranging from 7 to 8½c. per pound depending upon the quantity.

Lead Acetate — Accumulated increases in metal costs resulted in a price advance last week of 1c. per pound on the USP grade of lead acetate. This brought the present quotation on crystals to 21c. per pound in barrels or drums, and the granular or powder to 21¾c.

Menthol—The natural material actually on spot was held at $11.40 per pound last week but material now afloat nearby was offered at $11.15 without there being many takers. The lack of spot demand was seasonable. The Brazilian crop was very late this year but information in hand last week was that the new crop in China was coming to the market far earlier than was normal or expected. The indications were that the Brazilian production would be less than might have been reasonably accepted. Against the earlier availability of menthol in China was the ever present danger that the political situation in the Far East might eventually cut off the shipments of many Chinese products, among them menthol. For the long term point of view, the hugh increase in citronella oil production suggests a declining price for the same and, hence, the production of synthetic menthol at a cost so reduced as materially to affect the value of natural menthol. Again, normal production in Japan has been estimated for not later than 1952, or just as soon as Japan is able to curtail the cultivation of former mint field in the interest of increasing the national food supply. Eventually, menthol should be available in volume from Japan, China, and Brazil, to-

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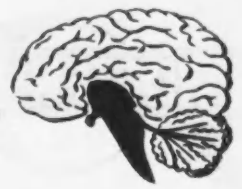

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Methanol—This was a potentially tight market, but as of last week supplies were still moderately good in most quarters. One producer stated that his output was in a sold-up position to October, and inquiries were being turned over to other producers. The antifreeze market was strong, and in view of the abundant plant production facilities many antifreeze buyers had felt secure that material could be had in any quantity when and as needed. That comfortable position, however, was viewed as being changed by the present war requirements, and the item could well tighten considerably in a matter of weeks.

This tightening of the market would of course come about through the shifting of methanol producing equipment to the production of ammonia for the manufacture of nitrates for explosives. Meanwhile, methanol itself, was of interest as a rocket fuel. The increased requirements for formaldehyde would exert pressure on the methanol market, which in addition to the largely unfilled antifreeze demand, was of such magnitude that any curtailment of current methanol output would be a serious handicap to consumers.

As against any immediate tightening of the market, was the fact that certain producers of synthetic ammonia for the manufacture of ammonium sulphate as a fertilizer material, had virtually stopped manufacturing operations because of the unprofitable nature of the synthetic sulphate market after the sharp price decline of coke oven material effected a few weeks ago. Presumably this ammonia producing equipment could be used in the direction of nitrate production for explosives, and still allow for a sustained heavy output of methanol. An added favorable factor was the country's greatly increased plant capacity for making methanol.

Milk Powder—For the week ended July 6 government purchases of skimmed milk powder stood at 12,792,496 pounds, bringing the total purchases so far this year to 261,381,239 pounds, compared with 238,459,852 pounds during the corresponding period of last year.

Molasses—The molasses market continued to advance in price as material became ever more critically scarce, Prices in the current market on refiners blackstrap were around 13c. per gallon in New York, Philadelphia, Baltimore and Boston. Blackstrap molasses in New Orleans for prompt shipment was quoted at prices from 13c. to 13½c. per gallon, and there was no material being offered beyond July. What the prospects for the market in the immediate future would be, was a matter of conjecture. The opinion was expressed in some quarters that in view of the virtual non-availability of the item beyond July, that the market might go as high as 17c. or 18c. per gallon.

Meanwhile, alcohol producers were in many cases in distress for molasses, and in a market characterized by tightening of supplies, were inclinded to turn down business beyond established accounts.

Propyleneglycol—As recent as three or four weeks ago the market on this item was regarded as quite long and producers were exerting a strong sales effort in order to move material. In the meantime, however, the market firmed very appreciably and supplies were said to be short in some quarters. This shortage in the market was variously viewed. Some producers felt that it argued well for a wide public acceptance of propyleneglycol as a permanent antifreeze and that a sustained demand would characterize the market. Others felt that the market was thrown into its present short position by large purchases of propyleneglycol by an ethyleneglycol manufacturer, and that the condition was largely temporary. Time would tell. Meawhile, prices were firm and unchanged from levels which have prevailed in the market over recent months.

Abbott Promotes Two

Abbott Laboratories, North Chicago, Ill., has effected two promotions in its sales organization. Milt H. Freeland has been named manager of a new sales district with headquarters in Indianapolis, Ind. John Keliher has been appointed manager of a new district with headquarters in the Boston, Mass., area. Both men joined Abbott in 1939.

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SAACI Golf Winners Topped by F. Neuberg

Fred Neuberg of Enco Chemical Corporation won first low gross in flight A at the golf outing of the Salesmen's Association of the American Chemical Industry, held at Bonnie Briar Country Club, Larchmont, N. Y., July 11. Other winners were:—

Flight A—H. R. Miller, White Metal Company, second low gross; C. W. French, Oldbury Electro-Chemical Company, low net.

Flight B—D. C. Oskin, Westvaco Chemical Division, Food Machinery & Chemical Corporation, low gross; Rance Cotton, Victor Chemical Works, second low gross; D. P. Jones, Shell Chemical Company, low net, and George W. Poland, Stauffer Chemical Company, second low net.

Flight C—H. T. Von Oehsen, Heyden Chemical Company, low gross; H. C. Miller, Hooker Electrochemical Company, second low gross; J. F. McGinty, Millmaster Chemical Company, low net; P. W. Hiller, Innis, Speiden & Co., second low net, and C. E. Schott, of the company of that name, third low net.

Guests—R. Kuntze, Shell Chemical, low gross, and W. B. Kuntze, Climax Molybdenum Company, low net.

Longest drive—J. C. Abeles, Faesy & Besthoff, Inc., flight A; Arthur F. Smith, Westvaco, flight B; Walter M. Burgess, McKesson & Robbins, Inc., flight C, and H. Apgar, Merck & Co., guests.

Nearest to pin—Russell Boland, Topics Publishing Company.

Kickers—E. W. Roos, Columbia Chemical Division of Pittsburgh Plate Glass Company, members; W. W. Atkinson, Chas. Pfizer & Co., guests.

Door prizes—Harry Armitage, Emery Industries; Jack Myler, Westvaco; John Gilroy, Riches-Nelson, and Herbert Sliger, Commercial Solvents Corporation.

Du Pont Making AEC Survey

The Atomic Energy Commission has announced that E. I. du Pont de Nemours & Co., Wilmington, is making a special survey covering facilities, processes and technical problems in certain fields of chemical and reactor engineering. The du Pont company was builder and first operator of the Hanford plutonium production plant, having entered upon that project in 1942 at the request of the government and with the understanding that it would be relieved of the responsibility as soon after the cessation of hostilities as practicable.

In the fall of 1946, at the company's own request, it withdrew from the project. Last year, however, du Pont carried out for the commission a special study of the chemical processes used in the production of plutonium.

The new survey covers secret projects and the activities and findings of the survey group will be subject to full security restrictions. The work involves an analysis of a number of existing and planned projects in the expanding program of atomic energy development. Research and development work under way at many locations throughout the country will be covered by the survey, which includes process feasibility studies, developmental projects and facilities requirements.

Trade Briefs

Walter J. Werner has been named vice-president of Eno-Scott & Bowne, Bloomfield, N. J.

Dr. W. E. Askue has been appointed a staff physician in the medical division of Sharp & Dohme, Inc., Philadelphia.

LaSalle Chemical Company has moved to larger quarters on Fox Island road, Port Chester, N. Y.

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Synthetic Drugs Output, Sales Volume Off in '49

The total United States output of synthetic drugs in 1949 was 41,500,000 pounds, a decline of 4.9 percent from the 43,600,000 pounds reported in 1948, according to preliminary statistics released by the Tariff Commission. Sales in 1949 amounted to 35,600,000 pounds, valued at $268,000,000, compared with 38,200,000 pounds, valued at $248,000,000, in 1948, a decline of 7.0 percent in quantity and an increase of 8.3 percent in value.

Production of penicillin salts in 1949 amounted to 248,900 pounds (138 trillion international units), substantially higher than the output in 1948. Sales in 1949 were 193,500 pounds (110 trillion international units), valued at $87,000,000, compared with 108,300 pounds (65 trillion international units), valued at $108,000,000, in 1948. Production of streptomycin in 1949 was 54,300 pounds and sales were 53,900 pounds, valued at $14,500,000. Production in 1949 of all synthetic vitamins as a group was 2,900,000 pounds, compared with 2,600,000 pounds in 1948. Sales in 1949 of synthetic vitamins amounted to 2,300,000 pounds, valued at $42,000,000.

The production of all antihistamine medicinals amounted to 116,000 pounds in 1949 and sales were 67,000 pounds, valued at $2,200,000. The output of acetylsalicylic acid (aspirin) amounted to 10,000,000 pounds in 1949 compared with an output of 11,000,000 pounds in 1948. The production of sulpha drugs increased to 4,900,000 pounds in 1949 compared with 2,700,000 pounds in 1948. Production of barbituric acid derivatives in 1949 was 680,000 pounds, which was the same as the quantity produced in 1948. Substantial declines in output in 1949 compared with 1948 were reported for p-aminobenzoic acid derivatives, caffeine, and theobromine derivatives.

The preliminary statistics on total production and sales of medicinals given in the section of the commission's report released last week are over 95 percent complete. Complete statistics will be given in the commission's final report which will be issued later.

Copies of the section on medicinals may be obtained by writing to the United States Tariff Commission, Washington 25, D. C.

Monsanto Names Trotter

Monsanto Chemical Company, St. Louis, Mo., has appointed John B. Trotter, general branch manager of its southern sales district, with headquarters at Birmingham, Ala. Mr. Trotter has been associated with the chemical industry since 1927. He has served as assistant branch manager in charge of the company's Charlotte, N. C., office and as assistant general branch manager at the Birmingham office.

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Heparin-Sodium Standards Explained by USP Director

Heparin-sodium will have new standards, November 1, under the USP XIV monograph. The basis will be the newly established USP heparin unit, which is equivalent to the provisional international unit.

Because of the new standard, it is explained by Dr. Lloyd C. Miller, director of USP revision, labeling in terms of weight will not be legal. The unit strength of heparin-sodium is not uniform; it is standardized at a minimum of 100 per milligram, but may be higher.

"A practical aspect of this situation," Dr. Miller says, "is that henceforth commerical transactions in heparin-sodium must be on a unitage basis, rather than a weight basis. For example, a quantity of powder representing 1,000,000 USP heparin units may weigh no more than 10 grams, and it probably will weigh substantially less. In preparing solutions from it, the quantity taken will, of course, be determined by the potency, in units per gram, determined by the official assay using sheep plasma.

"It was recognized that this step was not in keeping with the desirable trend towards abolishing units of activity wherever possible. However, it does not preclude adopting the weight basis for potency declarations just as soon as a form of uniformly pure heparin becomes available."

Amer. Cyanamid Expands Stamford Research Staff

American Cyanamid Company has announced the following appointments to the staff of its Stamford Research Laboratories:—George W. Chaille and Jack Elias, chemical engineering division; William L. Hensley and Glentworth Lamb, technical service division; James G. French, jr., analytical and testing division; Lillian Vasilauskas, patent department, and Dolores Schwartz, research division.

Pierce's Proprietaries Names Clyde Baldwin Sales Manager

Pierce's Proprietaries, Inc., Buffalo, N. Y., has appointed Clyde Baldwin sales manager, succeeding Jack Bray, jr., who has left the company. In his new post he will surpervise domestic and export sales policies and procedures for Pierce's line of proprietary products. Mr. Baldwin came to Pierce's from Amion, Inc., Chicago, where he was director of sales. Previously he was national wholesale manager for the Pepsodent division of Lever Brothers, New York.

Bids Wanted

Alcohol, rubbing, 1,200 bottles, Federal Supply Service (Washington 25) reference 91038-T(3), July 19.

Aluminum sulphate, 32 net tons, Quartermasters Office (West Point, N. Y.) invitation 6, July 25.

Antifreeze, 2,004 gallons, Army Engineers Corps (Omaha, Neb.) invitation CIVENG-2, July 18.

Charcoal, activated, 159,000 pounds, various deliveries, Army Chemical Center, Md., invitation 7, August 4.

Chromic acid, technical, 1,065 pounds, Army Chemical Center, Md., invitation 8, July 25.

Cleaner, rifle bore, 22,806 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 1, July 31; 30,006 gallons, invitation 2, July 31; bread baking pans, 48,750 pounds, Quartermaster Procurement Agency (New York 3) invitation 12, August 7.

Cresol solution, saponated, USP, 15,000 gallons, Veterans Administration (Washington 25) invitation A-4, July 24.

Dental supplies: lubricating sperm oil, 720 three-ounce cans, and powdered pumice, 7,550 pounds, Veterans Administration (Washington 25) invitation D-3, July 25.

Desiccant, 5,000 pounds, Naval Ordnance Plant (Indianapolis 18) invitation 163/1088, July 28.

Dicalcium phosphate tablets, 87,168 bottles, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 5, August 7.

Ether, absolute, ACS, 4,392 pounds, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 4, August 7.

Flatting oil, 400 gallons, Federal Supply Service (Washington 25) reference 5L-91013, July 19.

Fuel oil & gasoline: various, Armed Services Petroleum Purchasing Agency (Navy Mail Center, Washington 25) invitation 94(b), July 25; gasoline, motor grade, 100,000 barrels, Panama Canal (General Purchasing Officer, Washington 25) schedule 9659, August 1; gasoline, indefinite quantity, region 5, Federal Supply Service (Washington 25) reference class 7, August 16; region 6, reference class 7, August 11; burner oil no. 1, term contract, 5,000 gallons, reference 9FO-10257-L, July 18.

Fungicidal ointment, 139,680 one-ounce tubes, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 2, August 2.

Gas, bottled, 24,000 pounds, Quartermasters Office (West Point, N. Y.) invitation 3, July 18.

Glue, 2,496 pints, Federal Supply Service (Washington 25) reference 5L-91012, July 24.

Glycerin, USP, 76,980 pounds, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 7, August 4.

Hydrogen peroxide solution, 95,984 pounds, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 3, August 4.

Injections, epinephrine in oil, heparin, histamine phosphate, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 1, August 2.

Ink, duplicating, climate proof, black, 10,080 pounds, Navy Purchasing Office (New York 3) invitation 6845, August 1; black, 7,000 pounds, Post Office Department (Washington 25) invitation 632, July 19.

Linseed oil, raw, 3,025 gallons, Federal Supply Service (Washington, 25) reference 5G-91014, July 24.

Lubricating jelly, 21,684 tubes, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 2, August 2.

Paint, enamel, varnish: enamel, 420 gallons, Federal Supply Service (Washington 25) reference 5L-91004, July 21; 5,000 gallons, reference 5G-91005, July 21; paint, 420 gallons, reference 5G-91003, July 21; 400 gallons, reference 5L-91006, July 21; 2,500 gallons, reference 5L-91007, July 21; 1,000 gallons, reference 5L-91034, July 24; indefinite quantities, class 52, August 18; primer, 1,800 gallons, reference 5G-91011, July 24; varnish, spar, 1,200 gallons, reference 5L-91010, July 24; asphalt, 400 gallons, reference 5G-91017, July 17.

Reagent materials, various, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 4, August 7.

Shortening, hydrogenated, 770,000 pounds, Quartermaster Purchasing Division (Chicago 9) invitation 9, August 9.

Silver nitrate, 100 pounds, Army Chemical Center, Md., invitation 8, July 25.

Soap, mechanics, powdered, 555,800 pounds, Quartermaster Procurement Agency (New York 3) invitation 17, August 9; paste, general cleaning, 2,500 pounds, Federal Supply Service (Washington 25) reference 90994-T(3), July 28; toilet, milled, 18,900 pounds, reference 91056-R(3), August 4.

Sodium sulphide, 700 bottles, Post Office Department (Washington 25) invitation 663, July 19.

Thinner, paint, 9,625 gallons, Federal Supply Service (Washington 25) reference 5G-91009, July 21.

Turpentine, gum, 6,600 gallons, Federal Supply Service (Washington 25) reference 5G-91016, July 24.

Wax, floor, paste, 174 cans, and water emulsion, 40 drums, Federal Supply Service (Cleveland) invitation CL-3-51, July 25; water emulsion, 13,000 gallons, Federal Supply Service (Washington 25) reference 5G-91033, July 24; 3,300 gallons, reference 5L-91018, July 25.

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Imports at United States Ports

New York

ACID—2 dms, Southampton
ACRYLONITRILE—1 dm, Monsanto Chemical Co, Rotterdam
AGAR—100 bls, Credit Suisse, Kobe
AMBAR LIQUID—1 dm, Honduras Products Corp, Cristobal
AMMOANTHRAQUINONE—11 cks, Interchemical Corp, Rotterdam
AMMONIUM CHLORIDE—100 bbls, Philipp Bros, Gdynia
ANGELICA ROOT—20 bls, Antwerp
ANILIN COLORS—20 dms, Hensel Bruckmann, Antwerp
12 cs, J H Lowenstein, Antwerp
5 cks, Lansen Naeve, Rotterdam
40 dms, Lansen Naeve, Rotterdam
4 dms, Ciba Co, Havre
19 dms, Carbic Color & Chemical Co, Havre
18 dms, Ciba Co, Liverpool
ANISEED—255 bgs, Louis Furth, Rotterdam
167 bgs, Kori Import & Brokerage Co, Izmir
5 dms, Norwalk Mills, Hong Kong
ANTIMONY ORE—300 bgs, Assoc Metal & Minerals, Antofagasta
799 bgs, Charles Tennant Sons, Antofagasta
531 bgs, Antofagasta
REGULUS—250 cs, American Union Transport Co, Hamburg
50 cs, Charles Gitlan & Co, Antwerp
ASCORBIC ACID—3 bbls, American Roland Corp, Antwerp
ARABIC GUM—754 bgs, T M Duche & Sons, Port Sudan
300 bgs, Henry Heide, Port Sudan
40 bgs, S B Penick & Co, Port Sudan
404 bgs, Paul A Dunkel, Port Sudan
500 bgs, Innis Speiden, Port Sudan
250 bgs, Thurston & Braidich, Port Sudan
50 bgs, W M Allison, Port Sudan
250 bgs, National City Bank, Port Sudan
250 bgs, Guaranty Trust Co, Port Sudan
846 bgs, Irving Trust Co, Port Sudan
ARECA NUTS—134 bgs, R J Prentiss, Colombo
ARGOLS—1,266 bgs, Tartaric Raw Materials, Oran
ASPHALT, PETROLEUM—70,193 bbls, Shell Oil Co, Curacao
BEESWAX—17 bgs, Geek Trading Co, Ciudad Trujillo
100 bls, J P Eberhardt, Rotterdam
10 bgs, Strahl & Pitsch, Cristobal
156 blocks, Djibouti
23 bgs, E A Bromund, Port Au Prince
200 bgs, Samuel Zeitlins, Santos
BENZOIN GUM—20 cs, Max Van Pels, Singapore
BERGAMOT OIL—100 qu cs, Chemical Bank & Trust, Messina
8 qu cs, Messina
10 half cs, Messina
16 qu cs, Chase National Bank, Messina
BERYL ORE—500 brs, Diamond Drill Carbon Co, Rio de Janeiro
BIRCH OIL—1 dm, Norda Essential Oils, London
BISMUTH—62 cs, Cerro De Pasco Copper Corp, Mollendo
SUBNITRATE—3 cs, Superintendence Co, Rijeka
BOIS DE ROSE OIL—8 dms, Orbis Products, Manaos
3 dms, Fritzsche Bros, Manaos
9 dms, National City Bank, Manaos
12 dms, Dodge & Olcott, Manaos
SAGE OIL—1 dm, Kellys America, London
BONE—945 bgs, Rogers Manufacturing Co, Santos
1,329 bgs, Chemical Bank & Trust, Casablanca
MEAL—2,099 bgs, Tupman Thurlow, Buenos Aires
1,102 bgs, Transatlantic Animal By-Products, Alexandria
BROM-SILVER EMULSION—3 cs, Natural Nydegger, Rotterdam
BRUCINE—5 cs, LoCurto & Funk, Glasgow
BUTYLAC—100 bgs, C H Timm, Calcutta
50 bgs, Colony Import & Export, Calcutta
200 bgs, Gillespie-Rogers-Pyatt, Calcutta
100 bgs, MacLac Co, Calcutta
CADMIUM—11 cs, Chemical Bank, Yokohama
100 cs, American Union Transport, Kobe
CAFFEINE ANHYDROUS—12 cs, LoCurto & Funk, Rotterdam
CALCIUM HYPOPHOSPHITE—100 cs, Chemo-Pure Manufacturing Co, London
CANARYSEED—227 bgs, Corn Exchange Bank, Izmir
273 bgs, Izmir
CAPSICUM—93 bgs, Charles T Wilson, Mangalore
305 bgs, John Holt, Liverpool
CARAWAY OIL—1 dm, Fritzsche Bros, Rotterdam
SEED—100 bgs, Greenwich Seed Co, Rotterdam
200 bgs, Catz American Seed, Rotterdam
150 bgs, Rotterdam
CARNAUBA WAX—185 bgs, Wessel Duval, Areia Branca
224 bgs, F B Ross, Areia Branca
159 bgs, Pan Amer Trading Co, Areia Branca
86 bgs, F B Ross, Rio de Janeiro
111 bgs, Smith & Nichols, Rio de Janeiro
23 bgs, Wessel Duval, Fortaleza
55 bgs, Stromeyer & Arpe, Fortaleza
133 bgs, Wessel Duval, Camocim
222 bgs, Wax & Rosin Products, Rio de Janeiro
111 bgs, Innis Speiden, Rio de Janeiro
259 bgs, S W Hanson, Rio de Janeiro
43 bgs, Strahl & Pitsch, Rio de Janeiro
211 bgs, A V Berner, Rio de Janeiro
96 bgs, Cornelius Products, Rio de Janeiro
CASHEW SHELL LIQUID—203 tons, Irvington Varnish & Insulator Co, Cochin
CASEIN—200 bgs, F H Paul & Stein, Montevideo
500 bgs, M Snedeker, Montevideo
500 bgs, E Hansson, Buenos Aires
402 bgs, H D Sheldon, Bordeaux
500 bgs, American Cyanamid Co, Buenos Aires
200 bgs, Tupman Thurlow, Buenos Aires
1,000 bgs, Hercules Powder Co, Buenos Aires
600 bgs, Paul A Dunkel, Buenos Aires
4,000 bgs, Wilbur Ellis, Buenos Aires
1,900 bgs, Borden Co, Buenos Aires
CASSIA—723 bls, Internatio Rotterdam, Tandjong Priok
400 bls, Arthur G Dunn, Hong Kong
BUDS—24 bgs, Becker Mayer Seed Co, Hong Kong
OIL—3 dms, Fritzsche Bros, Hong Kong
3 dms, Magnus Mabee & Reynard, Hong Kong
CASTOR BEANS—377 bgs, Spencer Kellogg & Sons, Port Au Prince
750 bgs, Lenape Trading, Cap Haitien
10,079 bgs, Baker Castor Oil, Salvador
1,700 bgs, Spencer Kellogg, Salvador
790 bgs, Baker Castor Oil Co, Camocim
OIL—1 cs, Leval & Co, Bombay
206 dms, G H McFadden, Santos
INDUSTRIAL—272 tons, Woodward & Dickerson, Salvador
CHARCOAL BONE—60 bgs, Transatlantic Animal By-Products, Alexandria
burg
42 cks, Corn Exchange Bank, Hamburg
51 cks, Hensel Bruckmann, Rotterdam
CHARCOAL, COCONUT SHELL—690 bgs, Flower City Charcoal Milling Co, Kingston
40 cks, Brauner & Co, Hamburg
1 cs, Lo Curto & Funk, Glasgow
CHOLESTEROL—11 cs, Eelsingh & Lugtheid, Rotterdam
CHLOROGUANIDINE HYDROCHLORIDE—1 dm, American Roland Corp, Liverpool
CINNAMON QUILLS—100 bls, Max Van Pels, Colombo
CITRONELLA OIL—6 dms, Centilor Manufacturing Co, Colombo
28 dms, Lo Curto & Funk, Colombo
28 dms, Norda Essential Oils, Colombo
33 dms, Volkart Bros, Colombo
27 dms, Norda Essential Oils, Colombo
51 dms, Lo Curto & Funk, Hong Kong
26 dms, Hyeton Corp, Keelung
13 dms, Lo Curto & Funk, Keelung
CLOVES—14 bgs, B H Old, Grenada
COALTAR CHEMICALS—2 dms, C A Haynes, Amsterdam
COCOA BUTTER—17 cs, Metallo Chemical Co, Bahia
833 cs, General Cocoa Co, Bahia
EXPELLER CAKE—714 bgs, General Cocoa Co, Bahia
GROUND—1,334 bgs, Hollingshurst & Co, London
COPAL GUM—166 bgs, S Winterbourne, Manila
42 bgs, Gillespie-Rogers-Pyatt, Singapore
145 bgs, W H Scheel, Manila
108 bgs, O G Innes, Manila
64 bgs, S Winterbourne, Singapore
COTTON LINTERS—3,434 bls, 1st National Bank of Boston, Leningrad
4,977 bls, 1st National Bank of Chicago, Leningrad
499 bls, Leningrad
72 bls, Cecil Kurtz, Recife
CREAM OF TARTAR—105 bbls, Manufacturers Trust Co, Genoa
CRESYLIC ACID—151 dms, Liverpool
331 dms, H A Gogarty, Liverpool
2 cs, Phillip Bros, Liverpool
280 dms, Glasgow
CUBE ROOT—504 bgs, Westinghouse Electric, Callao
79 bgs, Dominion Bank, Callao
39 bls, H A Astlett, Callao
53 bgs, Callao
CUMINSEED—358 bgs, R E Rabie, Rotterdam
249 bgs, Kellys America, Hamburg
CURRANT OIL—1 cs, A Hempel Trading, Copenhagen
CYANIDE PRECIPITATE—8 cs, American Metal Co, Puna
DAMMAR GUM — 50 cs, Gillespie-Rogers-Pyatt, Singapore
64 bgs, O G Innes Corp, Singapore
35 bgs, Gillespie-Rogers-Pyatt, Singapore
384 bgs, S Winterbourne, Singapore
50 cs, S Winterbourne, Singapore
576 bgs, U S Industrial Chemicals, Singapore
DEXTRIN—25 bgs, Bank of Manhattan, Rotterdam
DIESEL OIL—15,944 bbls, Asiatic Petroleum Corp, Curacao
DIETHYLAMINOACETOXYLIDIDE — 1 cs, Astra Pharmaceutical Products, Gothenburg
DRUGS, CRUDE—128 cs, S B Penick, Izmir
100 bgs, S B Penick, Antwerp
5 cs, S B Penick, Singapore
EARTH COLORS—6 cks, T H Deutz, Amsterdam
ELEMI GUM—5 dms, G H Links, Manila
20 cs, G H Links, Manila
13 dms, O G Innes, Manila
ESSENTIAL OILS—2 cs, P Robertet, Cannes
8 cks, P Robertet, Cannes
3 cs, Tombarel Products, Cannes
1 ck, Tombarel Products, Cannes
1 cs, Verona Chemical, Cannes
11 cks, Camilli Albert & Lalove, Cannes
2 cs, Ungerer & Co, Cannes
11 cs, Camilli Albert & Lalove, Cannes
2 cs, George Fuchs, Cannes
5 dms, Vera Cruz
10 dms, Avia Co, Hong Kong
ETHOXYLINE RESIN—10 dms, Ciba Co, Havre
FENNELSEED—63 bgs, R Prentiss, Beirut
FISHLIVER OIL—111 dms, Stern Morgenthau, Fusan
25 dms, National City Bank, Yokohama
FRISONET—169 bls, Irving Trust Co, Leningrad
FUEL OIL—777,000 bbls, Esso Export Corp, Aruba
103,685 bbls, Hess Inc, Curacao
55,382 bbls, Metropolitan Petroleum Corp, Curacao
92,929 bbls, Asiatic Petroleum, Curacao
110,776 bbls, Esso Standard Oil, Caripito
10,000 bbls, Asiatic Petroleum Corp, Curacao
GELATIN—454 bgs, Transatlantic Animal By-Products Corp, Buenos Aires
GENTIAN ROOT—38 bls, Peek & Velsor, Marseilles
GERANIUM OIL—6 dms, J Manheimer, Algeria
GINGER—200 bgs, Merchants Refrigeration Co, Kingston
GHATTI GUM—114 bgs, Intra Mar Shipping, Bombay
GLUESTOCK—266 rolls, J Govers, Barranquilla
325 bdls, National City Bank, Barranquilla
502 bdls, Siber Hegner, Barranquilla
143 bls, Manufacturers Trust Co, Recife
GLYCERIN—285 tons, L Pasternak, Buenos Aires
136 tons, Procter & Gamble, Manila
GRAPHITE—260 bgs, Superior Flake Graphite Co, Colombo
750 bgs, Charles Pettinos, Colombo
GYPSUM, CRUDE—2,600 tons, Newark Plaster Co, Walton
8,846 tons, National Gypsum Co, Dingwall
8,992 tons, National Gypsum Co, Little Narrows
HELLEBORE POWDER—1 dm, Max Van Pels, Santiago
HENBANE—1 bl, Freud Labs Inc, Alexandria
5 bls, S B Penick, Port Sudan
ILMENITE ORE—9,000 tons, National Lead Co, Koiithottam
IPECAC ROOT—30 bgs, Brown Bros, Cristobal
IRON OXIDE—141 bgs, T H Deutz, Amsterdam
KAMALA POWDER—17 bgs, W E Martin, Bombay
17 bgs, Meer Corp, Bombay
KARAYA GUM—283 bgs, Stein Hall, Bombay
232 bgs, W M Allison, Bombay
123 bgs, Boehr Shipping Co, Bombay
179 bgs, Bombay
246 bgs, Thurston & Braidich, Bombay
465 bgs, Reuben Import & Export Co, Genoa
67 bgs, Stein Hall, Bombay
LAUREL LEAVES—90 bls, K I Lister, Izmir
LEAD, VIRGIN—23,372 ingots, Philipp Bros, Rijeka
LEMON OIL—100 qu cs, Chase National Bank, Messina
100 qu cs, Bank of Manhattan, Messina
40 qu cs, Guaranty Trust Co, Messina
40 qu cs, Manufactures Trust Co, Messina
LEMONGRASS OIL—22 dms, George Lueders, Cochin
6 dms, Maywood Chemicals, Cochin
LIME OIL—33 cs, Polaks Frutal Works, London
LITMUS—1 ck, Merck & Co, Rotterdam
LOCUST BEAN GUM—300 bgs, Rotterdam
294 bgs, Stein Hall, Marseille
1 bg, Rohner Gehrig, Rotterdam
LOGWOOD EXTRACT—80 cks, American Dyewood Co, Kingston
MACE—5 cs, Wessels Kulenkampff, St Lucia
20 cs, J Holt, Grenada
MAGNESIA CARBONATE—400 bgs, Reheis Co, Liverpool
MAGNESITE—1,920 bgs, Golwynne Chemical Corp, Madras
MANGROVE EXTRACT—1,100 bgs, Saxe Cutch Corp, Singapore
MARJORAM—40 bgs, W R Grace, Arica
MEDICINAL PLANTS—15 bgs, Max Van Pels, Rotterdam
ROOTS—4 bgs, S B Penick, Antwerp
18 bls, Peek & Velsor, Antwerp
SEED—357 bgs, S B Penick & Co, Beirut
MENTHOL—84 cs, Volkart Bros, Rio de Janeiro
METANITROPARATOLUIDINE—27 dms, Liverpool
MICA—33 cs, Alfred D Brown, Madras
130 cs, Otto Gerdau, Madras
431 cs, Cornelis & Suhr, Madras
106 cs, Manchard Trading Corp, Madras
238 cs, United Mineral & Chemical Corp, Madras
241 cs, Stein Hall, Calcutta
860 cs, Eugene Munsell, Calcutta
50 cs, James F. Garneau, Calcutta
6 cs, William Brand, Calcutta
110 cs, Manchard Trading, Calcutta
20 cs, A D Brown, Calcutta
25 cs, James F Garneau, Calcutta
MICA—750 cs, Ameritex Dev Corp, Calcutta
38 cs, S Cassel, Calcutta
2 cs, Spruce Pine Mica Corp, Calcutta
108 cs, Whittaker Clark & Daniels, Calcutta
1,031 cs, Asheville Mica Co, Calcutta
124 cs, United Mineral & Chemical Corp, Calcutta
85 cs, Cornelis & Suhr Calcutta
1 cs, Diamond Power Specialty, Calcutta
123 cs, Sylvania Electric Products, Rio de Janeiro
94 cs, Western Hemisphere Raw Materials, Rio de Janeiro
8 cs, United Mineral & Chemical Corp, Rio de Janeiro
2 cs, Havre
115 cs, Micacraft Products, Santos
24 cs, Ford Radio & Mica Corp, Rio de Janeiro
48 cs, Eugene Munsell, Rio de Janeiro
150 cs, A Lager, Rio de Janeiro
21 cs, S Cussel, Rio de Janeiro
79 cs, Eugene Munsell, London
37 cs, Sigbert Loeb, London
50 cs, Minerals & Insulation, London
MILK SUGAR—25 cs, F H Taussig, Rotterdam
150 cs, E R Squibb & Son, Rotterdam
MINERAL ASPHALT—1,020 bgs, National City Bank, Havana
OIL—20 cs, N Y & N J Lubricant Co, Glasgow
MUSTARDSEED—200 bgs, Amaren Trading Corp, London
340 bgs, C Gulden, Rotterdam
MYRABOLANS—1,392 bgs, Barkey Importing Co, Bombay
NAPHTHALENE—1,000 bgs, European Chemical Co, Antwerp
590 bgs, European Chemical Co, Antwerp
2,000 bgs, Judson Sheldon, Gdynia
3,001 bgs, Rosenthal Bercow, Gdynia
2,000 bgs, Gdynia
NUTMEGS—13 bgs, Wessels Kulenkampff, St Lucia
OCOTEA CYMBARIUM OIL—24 dms, French American Bank Corp, Itajai
50 dms, Chase National Bank, Itajai
44 dms, Irving Trust Co, Itajai
OITICICA OIL—175 dms, Pacific Vegetable Oil, Areia Branca
OLIVE OIL—35 dms, Manufacturers Trust Co, Palermo
949 dms, S H Schroder, Malaga
190 dms, Central Hanover Bank, Malaga
FOOTS—344 tons, Leghorn Trading Co, Sousse
ORANGE PEEL—44 bgs, Peek & Velsor, Cap Haitien
ORTHOCRESOL—110 dms, Guaranty Trust Co, Liverpool
OURICURY WAX—431 bgs, Wessel Duval, Salvador
112 bgs, Strahl & Pitsch, Salvador
118 bgs, Frank B Ross, Bahia
OX GALL—3 bbls, Tupman Thurlow, Havana
6 cks, Carl M Loeb, Rhoades, Buenos Aires
9 cns, National City Bank, Buenos Aires
10 cs, Judson Sheldon, London
4 dm, C Hollinshend, Montevideo
3 bbls, Wilson & Co, Santos
4 tcs, International Packers Commercial, Santos
PALMAROSA OIL—1 pot, Volkart Bros, Bombay
1 pot, Volkart Bros, Bombay
PAPAIN—34 cs, Rafael Del Castillo, Colombo
16 chests, Charles L Huisking, Colombo
45 cs, R Del Castillo, Colombo
PAPRIKA—150 bgs, Louis Furth, Rotterdam
200 bgs, M J Golombeck, Rotterdam
PATCHOULI OIL—2 cs, East Asiatic Co, Penang
5 cs, A D Brown, Assoc, Penang
1 cs, Antoine Chiris, Penang
PEATMOSS—300 bls, J E Bernard, Bremen
1 bl, Glasgow
400 bls, Halfmoon Trading, Rotterdam
200 bls, Premier Peatmoss Corp, Malmo
PEPPER, BLACK—48 bgs, Internatio Rotterdam, Tanojong, Priok
34 bgs, Branston Co, Singapore
240 bgs, Irving Trust Co, Cochin
80 bgs, Sembodia Corp, Cochin
400 bgs, Lincing Trading, Cochin
80 bgs, Manufacturers Trust Co, Cochin
80 bgs, Bank of Manhattan, Cochin
80 bgs, National City Bank, Cochin
160 bgs, Volkart Bros, Cochin
160 bgs, Mincing Trading Co, Bombay
160 bgs, Kellys America, Bombay
320 bgs, Levys Trading Co, Bombay
80 bgs, East Asiatic Co, Cochin
80 bgs, National City Bank, Cochin
320 bgs, Superintendence Co, Cochin
80 bgs, Bran Ston Co, Cochin
80 bgs, Peter Commercial Co, Cochin
160 bgs, Bansidhar Gopaldas, Bombay
80 bgs, M Golodetz, Bombay
180 bgs, Arthur G Dunn, Bombay
160 bgs, LoCurto & Funk, Bombay
240 bgs, LoCurto & Funk, Mangalore
80 bgs, A G Dunn, Cochin
WHITE—140 bgs, Sarawak, Genoa
100 bgs, Rotterdam
PENICILLIN, PROCAINE—20 cs, Stock & Spanier, Southampton
PERCHLOROETHYLENE—61 dms, Chemical Manufacturing Co, Liverpool
PERU BALSAM—15 dms, Wessel, Duval, Cristobal
PETROLEUM, CRUDE—124,140 bbls, Socony Vacuum Oil, Puerto LaCruz
247,852 bbls, Esso Standard Oil, Puerto La Cruz
PHENOL—1 cs, American Express Co, Liverpool
PIMENTO—30 bgs, J A Manton, Kingston
80 bgs, Fritzsche Bros, Kingston
LEAF OIL—2 dms, Fritzsche Bros, Kingston
POLLACKLIVER OIL—20 dms, Consumers Import Co, Yokohama
POPPYSEED—30 bgs, Catz American Seed, Rotterdam
POTASSIUM CARBONATE—249 dms, Millmaster Chemical Corp, Rotterdam
CYANIDE—40 dms, Liverpool
PERCHLORATE—300 cks, Charles Hardy, Havre
PERMANGANATE—179 dms, Industrial Raw Materials, Hamburg
SALT—100 cs, Bergstrom Trading, Gothenburg
PSYLLIUM SEED—450 bgs, S B Penick, Bombay
189 bgs, T M Duche, Bombay
349 bgs, Parke Davis, Bombay
391 bgs, T M Duche, Bombay
PYRIDIN—11 dms, Riches Nelson, Manchester
QUEBRACHO EXTRACT—1,292 bgs, 1st National Bank of Boston, Buenos Aires
4,560 bgs, River Plate Import & Export Corp, Buenos Aires
QUICKSILVER—300 flasks, Leghorn Trading Co, Leghorn
100 flasks, Chase National Bank, Tampico
RAPE SEED—100 bgs, Rotterdam
RESIN, SYNTHETIC—140 dms, Goldman Sachs, Vera Cruz
RHUBARB ROOT—8 cs, Meer Corp, Hong Kong
SAGO FLOUR—360 bgs, Stein Hall, Singapore
SANDALWOOD—321 bgs, W J Bush, Bombay
SASSAFRAS OIL—30 dms, Guaranty Trust Co, Yokohama
SEEDLAC—300 bgs, Ralli Bros, Calcutta
400 bgs, G H Dockstader, Calcutta
600 bgs, Manirose Corp, Calcutta
700 bgs, Ralli Bros, Calcutta
672 bgs, MacLac Co, Bangkok
500 bgs, C H Timm, Bangkok
305 bgs, Bangkok
SENNA LEAVES—60 bls, R J Prentiss, Tuticorin
SESAME SEED—1,333 bgs, Public National Bank, Cristobal
SHARKLIVER OIL—200 dms, National City Bank, Yokohama
SHELLAC—150 bgs, Ralli Bros, Calcutta
170 bgs, W Zinsser, London
112 bgs, J H Schroeder, Bangkok
50 bgs, Gillespie Rogers Pyatt, Calcutta
100 bgs, Manirose Corp, Calcutta
625 bgs, W Zinsser, Calcutta
825 bgs, Ralli Bros, Calcutta
100 bgs, P N Rowe, Calcutta
SILVER, COLLOIDAL—1 cs, R Hilliers Sons, Montevideo
SILVER, ISOLITE—1 cs, F Lunning, Gothenburg
SOAP BARK—124 bls, W R Grace, San Antonio
SODIUM ALGINATE—20 dms, Intermaritime Forwarding Co, Glasgow
CACODYLATE — 4 cs, Mallinckrodt Chemical Works, Marseilles
CYANIDE—550 dms, Terra Chemicals, Rotterdam
2 dms, Elbert & Co, Rotterdam
178 dms, Emerco Trading Corp, Antwerp
STEARIN—26 bgs, Orbis Products Co, Liverpool
STRAMONIUM LEAVES—43 bls, S B Penick & Co, Rijeka
14 bls, Leghorn
SUMAC GROUND—140 bgs, Manufacturers Trust Co, Palermo
SUPRARENAL GLANDS, HOG—2 bbls, Parke Davis, Copenhagen
TAPIOCA FLOUR—833 bgs, Brown Bros Harriman Co, Itajai
4,000 bgs, Stein Hall & Co, Itajai
3,000 bgs, Corn Products Ref, Puerto Plata
PEARL—501 bgs, Bankers Trust Co, Itajai
TARTAR—1 cs, W J Byrnes, Glasgow
TARTARIC ACID—40 kgs, Palermo
TEAWASTE—955 bgs, Rotterdam
6,789 bgs, Maywood Chemical Work, Calcutta
1,400 bgs, Danistand International, Calcutta
700 bgs, Citro Chemical Co, Colombo
THALLIUM METAL—1 cs, International Selling Co, Havre
TONKA BEANS—8 bbls, Simonds & Grey, Belem Para
TRAGACANTH GUM—185 bgs, American Meshed Fur Co, Liverpool
76 bgs, Milantchi & Co, Rotterdam
54 bgs, Rotterdam
122 bgs, Bank of New York, London
TRICHLOROETHYLENE—25 dms, Eugene Dietzgen, Rotterdam
TUMERIC—80 bgs, Volkart Bros, Cochin
200 bgs, L E Ransom, Madras
68 bgs, Volkart Bros, Madras
TUNG OIL—75 dms, Neuss Hesslein, Buenos Aires
300 tons, Buenos Aires
ULTRAMARINE BLUE — 20 bbls, Fezandie & Sperrle, Rotterdam
VALONIA CUPS—750 bgs, Olson Sales Agency, Izmir
VANILLA BEANS—34 cs, Philadelphia National Bank, Havre
56 cs, Havre
11 cs, George Lueders, Rotterdam
43 cs, F Huber, Rotterdam
1 cs, Wessels Kulenkampff, St Lucia
343 cs, J Manheimer, Madagascar
VEGETABLE WAX—30 cs, Cornelius Products Co, Kobe
30 cs, Irving Trust Co, Kobe
WAX—60 tubs, Rotterdam
WOLFRAM ORE—1,000 bgs, Overseas Metal & Ore Corp, Bangkok
21 tons, J W Hampton, Rotterdam
WOOL GREASE, ANHYDROUS—45 dms, N I Malmstrom, Liverpool
WAX—2 dms, Duke Labs, London
YLANG YLANG OIL—1 dm, Naugatuck Aromatics, London
ZINC CYANIDE—117 dms, Elbert & Co, Genoa
OXIDE—2 cks, Industrial Chemical & Dyestuff Co, Genoa

Baltimore

ANTIMONY OXIDE WHITE—102 cks, Charles Gitlan & Co, Antwerp
BONE MEAL—1,102 bgs, Elbert & Co, Rosario
CELERYSEED—138 bgs, W G Scarlett, Bombay
CODLIVER OIL—50 dms, Rotterdam
MANGANESE ORE—2,000 tons, Ferro Metal & Chemical Corp, Calcutta
1,000 tons, Associated Metals & Minerals, Bombay
MYROBALANS—2,000 bgs, Olson Sales Co, Bombay
PEATMOSS—350 bls, Halfmoon Trading, Rotterdam
PEPPER, BLACK—240 bgs, Otto Gerdau, Cochin
PSYLLIUM SEED—333 bgs, W G Scarlett, Bombay
247 bgs, W G Scarlett, Bombay
QUEBRACHO EXTRACT — 1,042 bgs, Tanimex Corp, Buenos Aires
SUMAC LEAVES—200 bls, Bank of New York, Palermo

Boston

AMMONIUM CHLORIDE—100 bbls, Philipp Bros, Gdynia
ANTIMONY REGULUS—4 cks, Charles Gitlan & Co, Antwerp
CASEIN—300 bgs, E Hansson, Buenos Aires
500 bgs, East Asiatic Co, Buenos Aires
600 bgs, J H Schroder, Liverpool
COTTON LINTERS—130 bls, W C Jones, Buenos Aires
DEXTRIN—40 bgs, O Eismann, Rotterdam
52 bgs, H R Dolan, Rotterdam
EPSOM SALTS—400 bgs, National Shawmut Bank, Antwerp
GLUE—600 bgs, Rotterdam
200 bgs, Nicholson & Co, Antwerp
500 bgs, Liverpool
STOCK—395 bls, H Remis Co, Rio de Janeiro
HOOF MEAL — 589 bgs, International Packers Commercial, Buenos Aires
MICA—25 cs, Otto Gerdau, Rio de Janeiro
69 cs, Western Hemisphere Raw Material, Rio de Janeiro
22 cs, Eugene Munsell, Rio de Janeiro
OSSEINE—140 bgs, Atlantic Gelatine Co, Antwerp
PEATMOSS—375 bls, Halfmoon Trading, Rotterdam
POTASSIUM PERMANGANATE — 11 dms, I M Sobin, Rotterdam
QUEBRACHO EXTRACT—1,125 bgs, 1st National Bank of Boston, Buenos Aires
7,500 bgs, American Tanners, Ltd, Buenos Aires
TUMERIC ROOT—25 bgs, Stickney & Poor Spice Co, Bombay
TRAGACANTH GUM—60 bgs, Arnold Hoffman, Marseilles
UREA—1,000 bgs, Chemical Manufacturing Co, Liverpool

Camden

LICORICE ROOT—2,616 bls, Guaranty Trust Co, Leningrad

Los Angeles

CITRONELLA OIL—15 dms, Hismoco Co, Colombo
12 dms, Los Angeles Soap Co, Colombo

Norfolk

BONE MEAL—1,000 bgs, Consolidated Chemical Industries, Buenos Aires
COCOA BEAN RESIDUE—1,776 bgs, Woodward & Dickerson, Rotterdam
MICA—33 cs, Asheville Mica Co, Calcutta
67 cs, Asheville Mica, Rio de Janeiro
326 cs, Asheville Schoonmaker Mica, London
SCRAP—1,792 bgs, Franklin Mineral Products, Madras

NITROGENOUS FERTILIZER—1,000 bgs, J C Jett, Bremen
SODIUM BICARBONATE — 1,992 bgs, Chemical Manufacturing Co, Liverpool

Philadelphia

ABRASIVES, ARTIF—1 cs, F Rogers, Liverpool
ASBESTOS YARN—3 cs, J H Faunce, London
BONEMEAL—1,122 bgs, Ovimpex Inc, Antwerp
5,000 bgs, Knox Gelatine, Calcutta
CARAWAY SEED—100 bgs, H Gronowitz Inc, Antwerp
CHESTNUT EXTRACT—197 bgs, Bordeaux
CHROME ORE—1,422,000 kilos, W H Muller, Fethiye
GYPSUM—268 bgs, Whittaker, Clark & Daniels, Liverpool
LEAD—2,118 pcs, Bers & Co, Kobe
VIRGIN—6,369 ingots, Philipp Bros, Rijeka
MOLASSES—1,412,322 gls, ICEA, Antila
545,716 gls, ICEA, Matanzes
PEATMOSS—400 bls, Alfa International, Bremen
1,000 bls, E J Lang Co, Bremen
500 bls, E Dunwoody, Bremen
400 bls, Brussels Corp, Bremen
1,228 bls, Premier Peatmoss Corp, Bremen
200 bls, Henson & Sons, Bremen
775 bls, Keer Maurer Co, Bremen
430 bls, C Gastmeyer, Rotterdam
PETROLEUM, CRUDE—230,287 bbls, Gulf Oil Corp, Puerto La Cruz
16,667 tons, Socony Vacuum, Covenas
253,357 bbls, Atlantic Ref Co, Puerto La Cruz
120,205 bbls, Gulf Oil Corp, Mena Al Ahmadi
105,008 bbls, Atlantic Ref Co, Las Piedras
115,284 bbls, Texas Oil Co, Parmatacual
319,254 bbls, Texas Oil Co, Puerto La Cruz
204,075 bbls, Texas Oil Co, Ras Tanura
116,820 bbls, Texas Oil Co, Las Piedras
QUEBRACHO EXTRACT — 1,042 bgs, Tanimex Corp, Buenos Aires
WHITING—2,600 bgs, Nicholas H Weitzfer, Antwerp

San Francisco

BONE MEAL—396 tons, Consolidated Chemicals, Buenos Aires
CASSIA—200 bls, S L Jones Co, Hong Kong
100 bls, Cunningham & Co, Hong Kong
CHINESE MEDICINE—30 cs, Tin Row Tong, Hong Kong
3 cs, Kam Lun Co, Hong Kong
CINNAMON QUILLS—50 bls, B C Ireland, Colombo
COPPER, SCRAP—21.5 tons, Pacific Island Scrap Corp, Yokohama
COPRA—963,200 lbs, Atkins Kroll & Co, Zamboanga
DAMMAR GUM—96 bgs, W H Scheel, Singapore
FISHLIVER OIL—140 dms, Nopoco Chemical Co, Yokohama
GALLNUTS — 462 bgs, Mallinckrodt Chemical Works, Hong Kong
LOCUST BEAN GUM—20 kgs, W J Byrnes & Co, Genoa
OLIVE OIL—100 dms, Schroeder Bros, Nalagos
100 dms, G Oberti & Sons, Nalagos
50 dms, G Granucci & Sons, Nalagos
50 dms, R Vanucci Co, Nalagos
50 dms, Ladys Choice Foods, Nalagos
PEPPER, BLACK—80 bgs, D Hecht & Co, Cochin
PYROTECHNICS — 42 ctns, Frank P Dow Co, Hong Kong
4 cs, Doleco Co, Hong Kong
SESAME SEED—100 bgs, S L Jones & Co, Hong Kong
CAKE—50 tons, Pacific Vegetable Oil, Manzanillo
QUEBRACHO EXTRACT—500 bgs, International Products, Buenos Aires
SODIUM BICARBONATE—60 dms, F L Abbott Co, Glasgow
SPICE—40 cs, Kwong Hang Co, Hong Kong
TAPIOCA FLOUR—507 bgs, Stein Hall, Bangkok
800 bgs, Stein Hall, Santos
TUNG OIL—295 tons, Vongehr Low China Co, Hong Kong
535 dms, Pacific Vegetable Oil, Taku Bar
264 dms, Tsingtao
VARNISH GUMS—160 bgs, H W Peabody, Manila

Lederle Technical Director Transfers Activities to West

Dr. Guy W. Clark, technical director, Lederle Laboratories Division, American Cyanamid Company, Pearl River, N. Y., has transferred his activities with the company to Napa, Calif. As technical director of the laboratories since 1940, Dr. Clark has conducted clinical trials on new Lederle drugs, particularly those used in the treatment of anemias. He will continue with his work in the same capacity, but will confine his activities to clinical work in cooperation with medical schools on the west coast and in the Rocky Mountain area.

Drums Reuse Rule

—*Continued from page 5*

to technological improvements in the industry.

Drain on Steel Industry

"Research already initiated shows that there would be a serious drain on the steel sheet industry if the new order restricted the shipment of inflammable products to new drums," Mr. Hershson added. "This additional drain would amount to approximately 300,000,000 pounds of sheet steel a year. Furthermore, the additional cost of from 25 to 35 percent for new containers over the price of reconditioned containers would result in increased costs in the oil, chemical and paint industries. These increases of from 3 to 6 cents per gallon would have to be passed on to the consumers."

Companies presently making shipments of inflammables under special permission of the Bureau of Explosives can communicate with the newly organized allied industries committee for re-use of STC drums, at 1025 Connecticut avenue, N.W., Washington, D. C., for further information.

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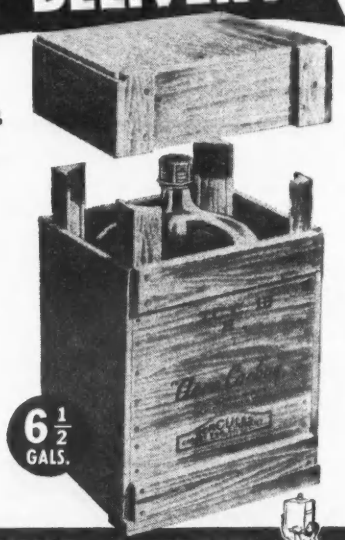

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Glass—Plasticizer (U.S. 2394439) in compositions, containing cellulose acetate, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware.

Leather—Plasticizer (U.S. 2394439) in compositions, containing cellulose acetate, cellulose propionate, or cellulose acetate-butyrate, used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods.

Metal-Fabricating — Plasticizer (U.S. 2394439) in coating compositions, containing cellulose acetate, cellulose propionate, or cellulose acetate-butyrate, used for protecting and decorating metallic products.

Miscellaneous—Plasticizer (U.S. 2394-439) in coating compositions, containing cellulose acetate, cellulose propionate, or cellulose acetate-butyrate, used for protecting and decorating articles of various kinds.

Paint, Varnish, and Lacquer — Plasticizer (U.S. 2394439) in lacquers and dopes containing cellulose acetate.

Paper — Plasticizer (U.S. 2394439) in compositions, containing cellulose acetate, cellulose propionate, or cellulose acetate-butyrate, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper or pulp.

Photographic — Plasticizer (U.S. 2394-439) in making films from cellulose acetate.

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Resin—Plasticizer (U.S. 2394439) in solutions and other compositions of resins and cellulose derivatives.

Rubber—Plasticizer (U.S. 2394439) in coating compositions, containing cellulose acetate, used for decorating and protecting rubber goods.

Stone — Plasticizer (U.S. 2394439) in coating compositions, containing cellulose acetate, cellulose propionate, or cellulose acetate-butyrate, used for decorating and protecting artificial and natural stone.

Textile — Plasticizer (U.S. 2394439) in compositions, containing cellulose acetate, cellulose acetate-butyrate, or cellulose propionate, used in the manufacture of coated fabrics.

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Chemical Imports Down In May; Exports Higher

United States foreign trade in chemicals and related products during May showed a slight increase in exports over April and a slight decrease in imports. Exports during May amounted to $61,400,000, an increase of $1,100,000 over April, while imports totaled $14,000,000, a decrease of $400,000 from the April volume.

Imports of all merchandise during May, according to the Bureau of Census, rose to $659,800,000 from a total of $583,400,000 in April, while exports of domestic and foreign merchandise rose from $808,900,000 to $824,800,000 during the same period. May imports were 5 percent above, and exports 4 percent above their respective average monthly levels during the first quarter of 1950. Compared with 1949 monthly averages, May imports were up 20 percent and exports were down 18 percent.

Imports of metals and manufactures, except machinery and vehicles, rose from $61,200,000 in April to $96,700,000 in May, and accounted for approximately 50 percent of the total increase in imports during the period. This increase was due primarily to a rise in imports of tin bars, blocks, and pigs; refined copper; lead pigs and bars; and unrefined copper and chrome ore.

Inedible vegetable products, except fibers and wood, registered the largest decrease in imports, dropping from $61,100,000 in April to $53,100,000 in May. This decrease was due primarily to a decline in imports of crude rubber.

Richards Heads Houghton Sales

D. J. Richards has been placed in charge of domestic and foreign sales of E. F. Houghton & Co., Philadelphia. He succeeds the late G. W. Pressell, formerly vice-president and director of sales.

Obituaries

—*Continued from page 4*

lin, which has led the way to the other antibiotics which followed and to the opening of the whole field of antibiotic research and development, which now means so much to the public health of all nations.

For many years Mr. Smith encouraged the widespread development of athletic teams within the Pfizer company. Perhaps it was this background that prompted him to purchase a part interest in the Brooklyn Baseball Club in 1944.

In the industry, he was prominent in the activities of the American Chemical Society, Manufacturing Chemists' Association, and American Drug Manufacturers' Association.

William C. Bainbridge

William C. Bainbridge, technical director of H. Kohnstamm & Co., New York, died at his home in Brooklyn July 12. He was sixty-seven years old. Mr. Bainbridge had been with the food color manufacturing firm for forty-four years.

Arthur G. W. Dent

Arthur G. W. Dent, treasurer and a director of Smith, Kline & French, Inc., Philadelphia, died in Wildwood, N. J., July 6. He was sixty-five years old. Mr. Dent had been with the wholesale drug firm fifty years.

August J. Grube, retired superintendent of the Bayonne refinery of the Esso Standard Oil Company, died in Cranford, N. J., July 10. He was sixty-four years old. Mr. Grube retired five years ago.

John B. Lewis, president of Paramount Laboratories, Inc., Binghamton, N. Y., died July 6. He was sixty-eight years old.

Waller St. Clair Simpson, an oil-production accountant with the Socony-Vacuum Oil Company, New York, died at his home in Yonkers, N. Y., July 8. He was fifty-five years old.

Philip M. Payne, for the past eight years a member of the legal staff of the Shell Oil Company, New York, died in Amherst, Mass., July 13. He was fifty-three years old.

Robert R. Wason, president of the National Association of Manufacturers in 1946, died in New York July 12. He was sixty-two years old. For a period in the 1930's Mr. Wason was president and a director of Zonite Products Company, New York.

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Botanical Drugs, Spices, Gums

A broad and sharply upward price trend hit condimental botanicals last week. Cassias led the group; indeed, all Chinese items were materials of strength. Pepper as early as Monday hit a sensationally high level but subsided later while still holding a net advance. Sharp price advances highlighted each of the five kinds of sage, but marjoram from Bohemia and France were off even as that from Peru rose sharply. In strictly drug items, ergot was quoted lower despite the wide differences in reports depicting growing conditions and crop prospects in Portugal and Spain. One ginger—African—was up; but another—No. 1 Jamaica—was down. The market index was off 1.9 points to 181.7.

Demand for most medicinal botanicals was limited to small quantities. In fact, the market movement was restricted to a comparatively few items and the interest in such merchandise was usually of jobbing proportions.

In the place of selling, local dealers concerned themselves with buying, actual or potential. Most of them had a good sized inventory at the end of June and more than ever must care and judgment be exercised in buying from the 1950 crop of both domestic and foreign botanics. Buying up to this time, so far as local dealers were concerned, has been conservative and circumspect. In the domestic primary market, collectors pursue a similar course in dealings with the diggers, pickers, pluckers, and gatherers generally. To this writing, the domestic primary market has not developed much in the way of disappointing collection.

Balsams

Fir—Demand was for relatively small lots when consumers made any call whatsoever. Prices remained relatively steady as between various suppliers. Stocks were of moderate size.

Peru—Reasonable stability prevailed in this market where a fair jobbing business was booked as high as $1.10 per pound in some instances. The minimum of local quotations continued to be 87c.

Barks

Black Haw—Country stocks gain rather slowly and for the most part a firmer price position appeared in development on purchases made at the source. Locally, a dull but steady market ruled.

Cascara Sagrada—Nothing at the origin at this time suggests that the cost of collecting new crop will be more favorable than it was a year ago. Prices have retained a firmness of position suggestive of good sized requirements having gone to the source and the engagement of considerable quantities of new crop bark, mainly for ageing purposes so far as consumption was concerned.

Cinchona—Cables from Far East principals to local agents included an offering of about 10 tons of this material but it was too early late last week to discover the reception given said proposals by those normally interested in a cinchona bark supply.

White Pine—Reason to expect an adequate supply this coming consuming season existed last week but it remains to be seen if the new antihistiminic drugs eventually reduce the consumption of this botanical of long standing in the field of cough remedies.

Beans

Vanilla—Bourbon beans turned lower once again on spot, mainly the result of a demand inadequate to the support of prices either here or abroad. The spot market was down to $4 to $4.25 per pound. What seems to be the final shipment of old crop beans from Madagascar was reported being loaded. As to new crop, early information mentions inadequate labor supply as a reason for expecting a smaller production. It is felt now that the total production will not exceed 250 tons, a total far below what is considered to be a normal crop in the islands. Cyclones and dry weather have played havoc with production conditions at the origin. Mexican beans were in so low spot supply as to make for what was described as a strictly nominal price position. The crop of Java beans was reported as ten tons.

Berries

Juniper—Shipment proposals from the origin fail to intice consumers into more than moderate activity. Local stocks were declared to be ample in size and for the most part conditions were highly favorable for buyers with firm orders in hand.

Flowers

Chamomile—Most dealers were awaiting the marketing of the new crop of European flowers. Local holdings were reported conservative in size but not subject to any serious drain in the form of prompt delivery orders. Shipment quotations have been very well maintained to this time.

Clover—Some will have to secure better than fair sized replacements since not a great deal of buying by some a year ago has permitted spot stocks to decrease considerably. The extent of buying will demand mainly on whatever the size of definite requirements may be disclosed by consumers.

Malva—This item has not appeared in local commerce for some time past and dealers failed to indicate the probable coming of a broader consuming requirement. Prices were unchanged in an exceptionally dull and narrow spot market.

Gums

Benzoin—This Far East gum has a slight tendency toward firmer position, possible a reflection of the added uncertainty of future political developments and their effect on normal commerce with Sumatra. Fortunately, a better than fair reserve exists here.

Myrrh—Although it was the usually

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Drugs

Ginger root, African, 4c. per lb.

Other Articles

Anise, Chinese, 4½c. per lb.
Caraway seed, Dutch, 1c. per lb.
Cardamom, green, Alleppey, 8c. per lb.
Ceylon, 8c. per lb.
Cassia, Batavia, longstick, 3c. per lb.
broken, 2c. per lb.
shortstick, 3c. per lb.
China rolls, Canton, Kwangsi, 3½c. per lb.
broken, 3½c. per lb.
Honan, Yunnan, rolls, scraped, 3¼c. per lb.
broken, 3c. per lb.
unscraped, 3¼c. per lb.
broken, 3c. per lb.
Saigon, medium, 4c. per lb.
thin, 5½c. per lb.
broken, 4½c. per lb.
Celery seed, Indian, 2½c. per lb.
Clove, Madagascar, ½c. per lb.
Zanzibar, ½c. per lb.
Coriander seed, Argentine, ½c. per lb.
Moroccan, ½c. per lb.
Fennel seed, Czech, 1c. per lb.
Moroccan, ½c. per lb.
Grains of paradise, 2c. per lb.
Mace, West Indian, 6c. per lb.
Siauw, 3c. per lb.
Marjoram, Peruvian, 5c. per lb.
Nutmegs, E. I., broken, limed, ½c. per lb.
Oregano, Mexican, 1¼c. per lb.
Pepper, black, 15c. per lb.
white, 15c. per lb.
Poppy seed, Dutch, 3c. per lb.
Polish, 3½c. per lb.
Sage, Dalmatian, 10c. per lb.
Greek, 5c. per lb.
Spanish, 2c. per lb.
Sesame seed, Chinese, ½c. per lb.
Turmeric root, Alleppey, 2c. per lb.
Madras, 1c. per lb.

Prices Reduced

Drugs

Ergot, 25c. per lb.
Ginger root, Jamaica No. 1, 1c. per lb.

Other Articles

Anise, Mexican, ¼c. per lb.
Marjoram, Bohemian, 2c. per lb.
French, 1c. per lb.
Vanilla beans, Bourbon, 25c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 15, 1949
181.7	183.6	187.1	193.6	181.5

(For Current Prices see Page 9)

Imports Detained by FDA

Week Ended July 7

New York

Anise seed, 255 bags: filthy.
Capsicums, 462 bags: live insects; filthy.
Caraway seed, 120 bags: filthy.
Cassia, 123 bales: insect filth.
Cassia buds, 55 bags: live insects.
Oil, 5 drums: not USP.
Chillies, 760 bags: live insects; filthy.
Ginger root, 200 bags: moldy.
Kola nuts, 288 bags: live insects; moldy, insect bored.
Mustard seed, 100 bags: filthy.
Pepper, black (6 lots), 555 bags: moldy and insect bored.
Pumpkin seed, 201 bags: filth; live insects.
Sage leaves, 581 bags: filthy, Greek and Spanish sage substituted.
Sesame seed, 1,333 bags: live and dead insects; filthy.

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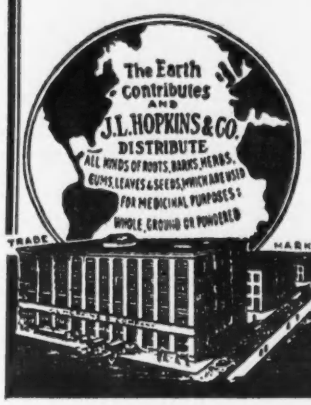
Damiana	Passion Flower
Doggrass	Stramonium Leaves, U.S.P.
Ergot	Valerian Root
Euphorbia Herb	Yerba Santa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slow season of the year, trading during the past week in one instance was above the average and all transactions took place at steady prices not subject to competitive influences for the most part. Stocks were ample.

Locust Bean—Strength of prices and primary market conditions were unchanged. Future arrivals had a cost fully warranting the prices currently asked for spot merchandise. Most dealers also expect a broader Fall demand to be added strength to all markets.

Sandarac—No oversupply of this gum was in hand and sellers continued to be able to maintain relatively higher prices for the underproduced gum. Underproduction at the origin has been deliberate, the result of governmental order to that end.

Herbs and Leaves

Belladonna—Not overly steady the spot was still free from quotable change last week notwithstanding the recent downward trend on old crop prices and not too steady position of goods to be shipped from 1950 collection in Europe. Competition continued to be very keen.

Buchu—Buyers found the market one of advantage to them. While open quotations were not changed during the past week, the local market was competitive enough to render quotations at least unsteady and more than likely subject to shading on the development of important business.

Digitalis—Most importers expect to buy at lower European prices when the 1950 crop enters world markets in volume. However, few expect that the revision will exceed one of moderate extent.

Marjoram — Bohemian leaves were shaded to 34c. to 34½c. per pound. French were down to 45c. to 46c. but the Peruvian item was higher at 38c. to 39c.

Oregano—The only change came in Mexican material, which was raised to the basis of 16¼c. to 16½c. per pound.

Sage—Dalmation leaves returned to their former basis of $1.20 to $1.25 per pound. Greek goods were up to 23c. to 25c. Spanish was 12c. to 12½c, also a rise. All movements were in sympathy with replacement values and developments.

Thyme—French herb was a small fraction higher at 14¼c. to 15c. per pound. Spanish remained unchanged.

Miscellaneous

Cantharides—Unusual competition prevailed in offering Chinese flies but in view of the general strength of Chinese products last week, a return to higher spot prices would be apt to follow the disposal of a distressed supply now under liquidation.

Ergot — Although well informed quarters continued to assert that the most productive areas in Spain and Portugal still report adverse growing condtions. The reports that recently appeared to forecast a crop of excellent if not actually large size originated from marginal areas of production where growing conditions had been favorable. Spot prices were noted at $3.75 to $4.50 per pound, so ranging according to dealer.

Grains of Paradise—Because black pepper prices have risen after rather severe decline, holders of paradise seed have revised quotations and the market last week reached 44c. to 45c. per pound. This compared with the 35c. recently bid holders for prompt goods.

Roots

Galangal—General conditions in China produce were stronger and numerous materials underwent a sharp rise in replacement cost last week. Sufficient spot stock was in hand to hold back an immediate price rise but dealers look for the same soon.

Ipecac—Quotations remained free from further change and most suppliers felt that a period of price support on a steady basis was at hand unless a sharp change takes place at the origins.

Orris—The inactivity of the spot market alone would easily account for the rather easier undertones developed of late. In addition to inactivity, however, was more reasonable replacement cost.

Rhubarb—If conditions that raised the replacement cost of numerous Chinese botanicals last week shall continue to spread in China, then higher prices on whatever kind of rhubarb would appear to be inevitable. Rhubarb root appears in the list of materials already deleted from the USP XIV which becomes effective on November 1 next.

Turmeric—Some Indian root was offered for shipment but at prices holding little interest for dealers and importers in this market. Besides, the buying session for turmeric root in general is over. Alleppey root on spot was lower at 29c. to 30c. per pound. Haitian, and Jamaican, 10c. to 10½c.; and Madras, 15c. to 15¼c.

Seeds

Anise—Czech seed was a shade lower at 13¼c. to 13½cc. per pound. Chinese star anise was advanced sharply to 20c. to 21c., and not much was offered at any price, spot or origin.

Caraway—Dutch seed rose 1c., reaching 16c. to 16½c. per pound. Danish seed was no longer quoted generally on spot.

Cardamom — Green cardamom were sharply higher, both varieties reaching $2.20 to $2.25 per pound last week. A little Alleppey decorticated material was offered at $2.20 to $3.25.

Celery—Indian seed was minimum on spot at 26c. to 27c. per pound and futures were even higher than that, being 25½c. to 26c.

Coriander—Argentine seed rose to 7½c. to 8c. per pound. Moroccan was also higher, standing at 10¾c. to 11¼c.

Fennel—Dark seed of Czech origin was higher at 6½c. to 7c. per pound. French remained at 11c. to 11½c.

Poppy — Dutch seed was advanced to 18c. to 20c. per pound. Czech seed became nominal at 18c. And Polish was higher at 18c. to 20c.

Spices

Cassia—All varieties were higher, some sharply and others but slightly less so. One in the trade summed up the situation by saying: "The honeymoon in cassias is over." Stocks in Hong Kong were reported exhausted. Through the orient swept a wave of price advances that forced spot quotations to the following levels:—Batavia, longstick, 26c. to 27c.. per pound; broken, 16c. to 17c.; shortstick, 18c. to 19c.; Chinese, Canton and Kwangsi rolls, select, 13c. to 14c.; extra select, broken, 12½c. to 13c.; Honan and Yunnan rolls, scraped, 17½c. to 18c.; broken 17c. to 17½c.; unscraped, 17c. to 17½c.; broken, 16½c. to 17c.; Saigon, all medium, 38c. to 40c.; all thin, 45c. to 46c.; broken, 29c. to 32c.

Clove—Both Madagascar and Zanzibar spice on spot was higher at 24c. to 24½c. per pound.

Ginger—African was higher at 38c. to 39c. per pound. No. 1 Jamaica was slightly lower at 57c. to 58c.

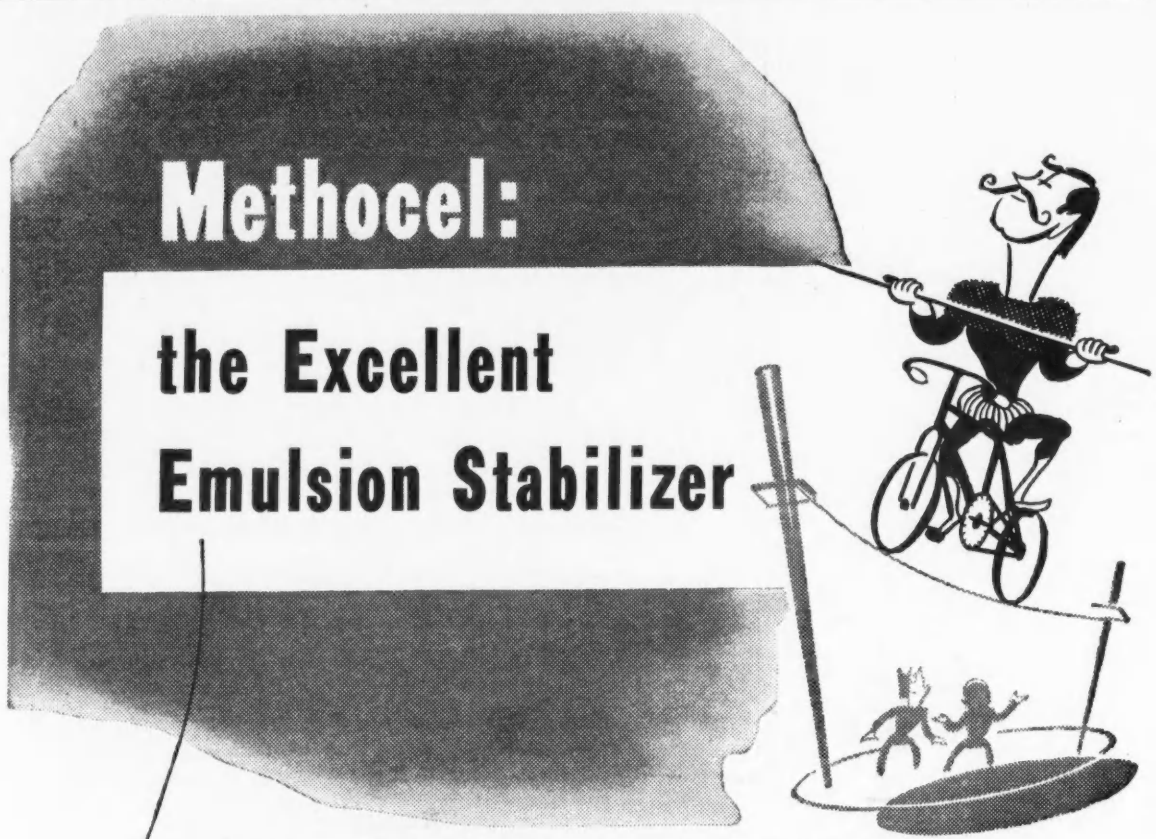
Pepper—At one time last week black pepper was as high as $1.58 per pound. At midweek and slightly after, the market was down to $1.42 to $1.43. The recession came with the withdrawal of brokers and traders from the speculative side of the market. White pepper was advanced and held the advance after reaching $2.45 to $2.50 per pound. Red peppers for the first time in a number of weeks failed to develop any price changes in any variety.

Friday afternoon prices on black pepper were:—Spot, $1.55 to $1.60 per pound; shipment, July-August, $1.55 nominal.

Los Angeles Botanical Market

Los Angeles, July 13.—The market is reported somewhat unsettled here with inquiry slow for most botanicals. Slight price increases are noted for cassia and cinnamon. The black pepper market is fluctuating hourly and the present quotation is $1.49.

Prices per pound, spot delivery, f.o.b. Los Angeles, quoted as follows:—Anise, Chinese, 15c. Cassia, China, Honan, rolls, scraped, broken, 14c.; Yunnan, rolls, scraped, 14.5c.; Yunnan, rolls, unscraped, 14c.; Saigon, broken, 26c. Celery seed, French, 27c. Cinnamon, Ceylon, No. 2, 19.75c.; No. 0000, 35c. Cloves, Zanzibar, 23c. Marjoram, French, 42c. Mustard seed, Montana, yellow, 10c. Nutmeg, East India, 49c.; West India, 32c. Pepper, black, $1.49; white, $2.35. Poppy seed, Dutch, 16c. Sage, Dalmatian, $1. Savory, French, 15c. Sesame seed, Chinese, white, 15c. Sweet Basil, $1.20. Thyme, French, 16c.



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Two new anti-skinning agents for paints and varnishes have been developed by the naval stores division of the Glidden Company, Cleveland. They supplement "Guai-A-Phene," a Glidden product which has been on the market several years. The new agents are "Glidcol-Regular" and "Glidcol-WW."

"Glidcol-WW" is the agent recommended for protective coatings where the agent used must have a very light color and mild pleasant odor. Its low boiling range insures evaporation from the film with minimum drying retardation. It is said that it will not discolor even the whitest paint. "Glidcol-Regular" has a stronger odor and darker color, but its effectiveness index is eighty-five points, five points higher than "Glidcol-WW."

Calo Plans Construction Of Chicago Warehouse

Philip E. Calo Company has completed plans for the construction of a modern warehouse located at Forty-eighth and California streets, Chicago, to provide storage for all packaged and drummed materials. Sufficient tankage is being provided for the handling of shipments in tankwagons as well as drums. The company acts as manufacturers' agent for the sale of raw materials for paint, varnish, lacquer, printing ink, soap and rubber.

Fritzsche Publishes Price List

Fritzsche Brothers, Inc., New York, has published its latest wholesale price list giving quotations on the essential oils and aromatic chemicals sold by the company. Its distribution is limited to those who buy in wholesale quantities. The company is located at 76 Ninth avenue, New York 11.

Foxx Joins Devoe

Jimmy Foxx, former Philadelphia Athletic first base slugger, has been named Philadelphia sales representative for Devoe & Raynolds Paint Company. Since ending his major league career with the Phillies in 1945, he had sold freight business for a Chicago trucking firm.

Trade Briefs

Dr. George M. Saunders, medical director for overseas personnel of Socony-Vacuum Oil Company, New York, has been appointed visiting lecturer on tropical public health for Harvard University, Cambridge, Mass.

Miss Leonore Buehler has re-joined Jacqueline Cochran, Inc., and Parfums Charbert, Inc., as assistant to the president in charge of promotional activities. She was recently advertising manager of Dorothy Gray.

Chesebrough Manufacturing Company, makers of "Vaseline" brand products, has awarded the Wigton-Abbott Corporation, engineers and contractors, the contract for the reconstruction of the damage done to its Perth Amboy, N. J., plant in the South Amboy munitions blast on May 19. Work is to start immediately.

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Essential Oils, Other Aromatics

While the general tone of the essential oils and aromatic chemicals market continued to be strong, last week brought many price reductions, including small but surprising drops in the quotations of anise and eucalyptus oils. Also there were declines in dillseed, peppermint and clary sage oils. Some weakening was noted in the market for cardamom, coriander, niaouli and lemongrass oils. Firm spots in the market included all citrous oils from Italy, as well as most floral oils, particularly the already tight ylang-ylang oil from Reunion. There were also noticeable rises in the prices of celeryseed, cedarleaf and erigeron oils. The total effect of the changes was an increase of 0.7 point in the index which stood at 135.1.

All of the citrous oils originating in Italy showed extreme strength with new price rises reported for bergamot, mandarin and orange oils. Lemon oil, which had already moved up in previous weeks, remained strong and unchanged. Domestic citrous oils were generally unchanged, although there were reports of additional firmness. This was particularly true of Florida orange oil.

The shading of anise oil was rather surprising in view of the political developments of the past few weeks at the point of origin. Observers were inclined to attribute the drop in price to large warehouse stocks purchased when the oil was shipped in great volume about a month ago. Eucalyptus oil, which had shown a tendency toward tightening, brought a similar small price reduction on the spot market. Another bit of shading was reported in the coriander oil market, however, there has not yet been a change in the price quotation.

Cardamom oil, which had been in a rather difficult position for the past six months, became more freely available at prices which were favorable to consumers. Niaouli oil was also offered at considerably more reasonable prices in some quarters as were both grades of cananga oil.

The market situation of peppermint oil continued to show signs of unsettlement. Natural oil was offered at slightly lower prices. Reports on crop conditions were generally favorable, particularly in the middle west. There were reports of some growing difficulties in the Washington and Oregon areas, but they were not believed to be sufficient to darken the outlook. Clary sage oil, which is just coming into production, became more freely available at prices below those recorded in the past.

Aromatic chemicals maintained general stability and producers reported that large orders were constantly being received for flavoring materials and for those specialties which are used in the preparation of colognes and other Summer toilet preparations.

Market Trends

Prices Advanced

Bergamot oil, natural, 10c. per lb.
Cedarleaf oil, 5c. per lb.
Celery seed oil, 75c. per lb.
Erigeron oil, 50c. per lb.
Mandarin oil, Italian, 90c. per lb.
Orange oil, Messina, 5c. per lb.
Rose oil, Bulgarian, $1 per oz.
Rue oil, 25c. per lb.
Sandalwood oil, 25c. per lb.
Ylang-ylang oil, Bourbon, $1 per lb.

Prices Reduced

Anise oil, 5c. per lb.
Cananga oil, native, 25c. per lb.
rectified, 5c. per lb.
Cardamom oil, $4 per lb.
Citronella oil, Java-type, 5c. per lb.
Dillseed oil, 40c. per lb.
Dillweed oil, 25c. per lb.
Eucalyptus oil, 80-90%, 2c. per lb.
Lemongrass oil, 5c. per lb.
Niaouli oil, 70c. per lb.
Ocotea cymbarum oil, 1c. per lb.
Peppermint oil, natural, 5c. per lb.
Sage oil, clary, 50c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 15, 1949
135.1	134.4	124.8	102.8	102.5

(*For Current Prices see Page 9*)

Essential Oils

Anise—In spite of the unrest at and near the point of origin, the spot market saw some shading in the price of this item, which last week was offered by one dealer at a new low of 90c. per pound. Throughout the market, however, quotations continued to range up to $1.30. The general tone of the market was somewhat firmer as new shipments became fewer. According to the trade, replacement prices were higher than those being asked for spot material.

Bergamot—There was an increase of 10c. per pound in the quotation of natural Italian oil, thus putting the spot market at $4.40 to $4.75 per pound. Supply conditions were in rather good shape and interest in the material was normal.

Cananga—Some relaxation was brought to rather high prices which prevailed for the past few months and native material was available at $4.25 to $4.80 per pound. This was 25c. per pound less than previous offers. The rectified article was priced at $5.05 to $6 per pound. Stocks were apparently adequate and demand from perfumers was steady.

Cardamom—After a period of six or seven months during which the material was held rather high, last week saw a decline of $4 per pound in the minimum offer, which then became $46 per pound. Other quotations ranged up to $63.

Cedarleaf—Prices were slightly firmer last week, ranging from $1.90 to $2.20 per pound. Although the new crop has become ready, the material has been coming to market rather slowly. Farmers were busy with other crops and had not yet began full-time distillation. The near future should bring more favorable prices, according to observers.

Coriander—This market has shown signs of weakening, and, while prices of spot material remained at $19 to $22 per pound, there were reports of shading of the low quotation in some quarters. The future state of the material of Russian origin was difficult to predict.

Celery Seed—The minimum offer of this oil was 75c. per pound higher than previous weeks at $14.75. Other offers were made up to $17.50 per pound. The market gave indications of decided firmness.

Citronella—For the past few months shipments of Ceylon oil arrived at the local market in good volume, but last week brought signs of tightening of supplies and possible strengthening of the spot market in the near future, according to the dealers. Spot prices were unchanged at $1.07 to $1.50 per pound. Java type material was offered at a wider range of prices from $1.60 to $2.10 per pound. Consumer interest in all varieties continued to be high.

Dillseed—Prices were lower at $6.70 to $7.75 per pound last week.

Dillweed—More favorable prices were offered by dealers last week, and quotations of $5 to $6 per pound were recorded. Consumer interest was mild, but was expected to increase later in the summer, when the pickling industry moves into its active season. By then new crop material should be available.

Erigeron—This item was priced somewhat higher than it has been for some time at $5.75 to $6 per pound. Interest in the oil was rather limited and supplies were sufficient to fill the needs of industry.

Eucalyptus—Despite a 2c. drop in the spot price of 80-90 per cent grade, which put the price at 65c. to 98c. per pound, all grades displayed qualities of strength and were reported to be moving higher in price at the sources. This was especially true of Australian material, which has become exceedingly scarce. The price of 70-80 percent oil continued to be 55c. to 83c. per pound.

Fir—Stability was the feature of this market with an adequate flow of supplies to meet all requirements. Prices were steady at $1.75 to $2.05 per pound.

Geranium—While the minimum quotations for both Bourbon and Algerian material remained unchanged, both items expanded upward. These changes put the former article at $20 to $24 per pound and the latter at $17.25 to $20. The Bourbon oil continued to be extremely scarce and the Algerian oil maintained its strength as a result. Dealings in both types grew less numerous with the high prices.

Guaiacwood—This market remained quiet with prices holding at the level set last month. Quotations ranged between $1.75 and $1.90 per pound. Shipments, while limited, were adequate to fill all requirements of perfume and toilet goods producers.

Hemlock—Spot material was maintained at unchanged prices of $1.80 to $2.10 per pound. Dealers reported large quantities available in the country, but found some

For Late Market Developments, See Page 4

of it lacking in quality. The usual demand was met comfortably.

Lavandin—Reports from the origin continued to indicate firmness. Quotations by local dealers remained unchanged at $1.30 to $1.85 per pound, although few offers were made at the minimum price.

Lemon—While supplies were reported by dealers to be coming to market in fairly good quantities, Italian oil was found to be quoted at continually higher prices at the source. Spot prices ranged from $3 to $5.75 per pound, according to brand. In some cases, shipment prices were said to be higher than spot. Californian material continued firm at $3.15 to $3.50 per pound, as to producer, and might be expected to maintain strength for at least as long as imported material remains tight.

Lemongrass—Further display of weakness was noted last week, when the minimum offer dropped 5c. per pound to $1.70 per pound. Other quotations ranged up to $2.30. No change in the situation was expected in the near future. Dealings continued to be active.

Mandarin—Material of Italian origin was offered at considerably higher prices than previously. One dealer who had quoted fairly low for several months last week moved the price up again, thus putting the range at $4.85 to $8.50 per pound. Domestic oil from Florida was available at $1.60 to $1.75 per pound. The interest of buyers in these oils was rather mild.

Neroli—Oil of French origin was offered at a wide variety of prices which ranged from $125 to $195 per pound. Haitian material could be had at $85 to $90 per pound. Small but steady inquiry was made by perfumers and all needs were being met.

Niaouli—Continuing to feature a lack of stability, the price which had moved up the previous week, last week showed a considerable decline, with one dealer asking $1.95 per pound. Other quotations ranged up to $3. Supplies were available in sufficient quantities to meet all demands.

Ocotea Cymbarum—A drop of 1c. per pound brought the market down to 66c. as the minimum offer last week. Throughout the market prices were quoted up to 90c. per pound. The oil was coming to market in ample amounts and there were indications of further declines, according to dealers. Interest in the article was mild with the sufficiency of camphor oil still available.

Orange—An increase of 5c. per pound was made in the minimum offer of Messina oil, making it available at $2.90 to $5.50 per pound. Domestic varieties showed stability and were unchanged in price. California material ranged from 60c. to $1 per pound, depending upon brand. Florida oil seemed to show signs

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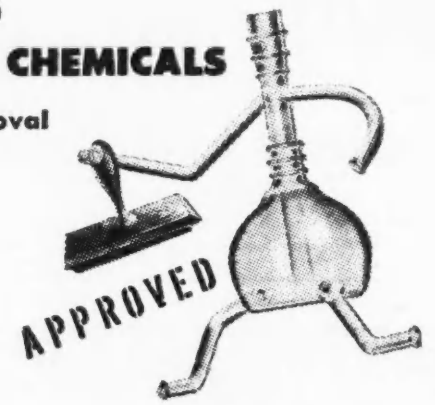

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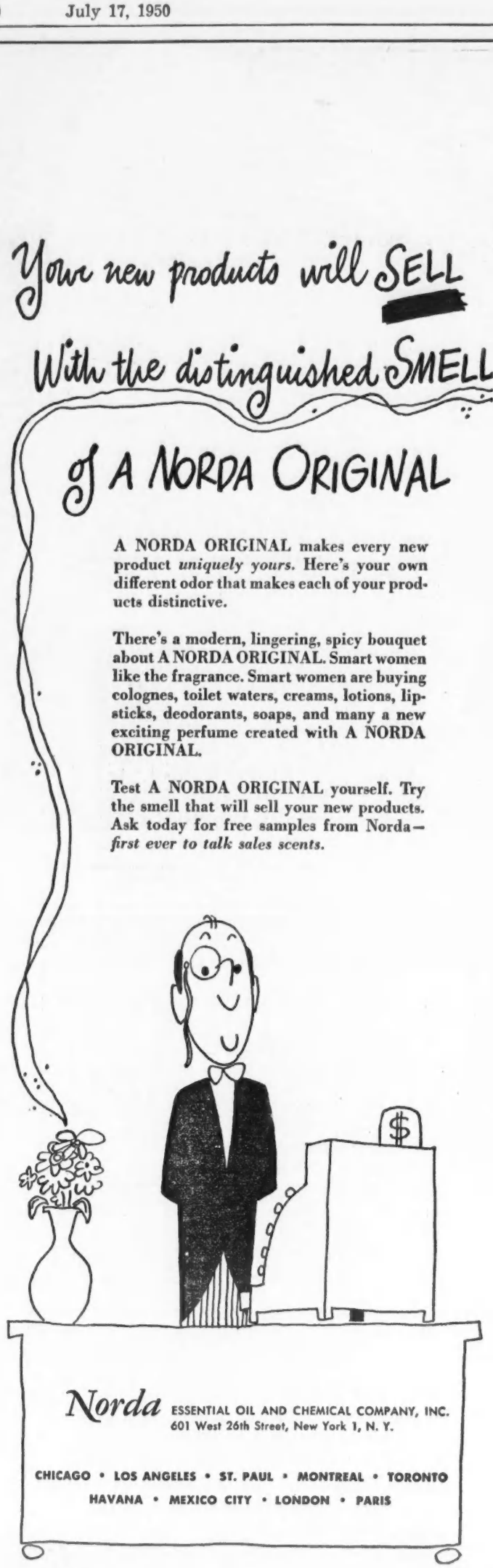

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of new strength, but continued to be available at 40c. to $1 per pound. The normal interest on the part of consumers was noted.

Peppermint—The market became somewhat more favorable to buyers and brought a slight drop in the price of natural oil to $6.10 to $7.25 per pound. Redistilled oil continued at unchanged prices of $6.50 to $7.65 per pound. An excerpt from the latest report of the Bureau of Agricultural Economics concerning the condition of mint crops as of July 1 follows:—

"In Indiana, there has been too much wet weather in some areas, while in other areas conditions are very good. Reports from Michigan indicated that wind has blown out a portion of the acreage in the Brown City area. However, there have been no damaging late frosts to interrupt normal growth. Prospects are for a good crop of both peppermint and spearmint this year. Weeds are a little more troublesome in the peppermint than in the spearmint yields.

"In Oregon, growth of the peppermint crop along the Willamette River and tributary bottomlands has been very good, but condition of the crop behind the lower Columbia River dikes is very uneven. Some fields show an excellent growth, but generally a below average crop is expected. Most mint fields in the Yakima Valley of Washington continue to make good growth, although weeds and a lack of fertilizer are retarding some plantings. A heavy rust infection is spreading in southwestern Washington fields, and growers have not been able to control the outbreak."

Rose—The minimum quotation of Bulgarian material moved up $1 per ounce and left the range at $24 to $56 per ounce. The article was traded in necessarily small but steady quantities. According to dealers, the future of this item, which originates in Soviet-dominated territory, was unpredictable, and some handlers were considering turning to the French item in the event of difficulty in obtaining supplies.

Rue—This small perfumer's item showed a bit of additional strength, with quotations last week between $3 and $3.10 per pound.

Sage—The price of clary oil has dropped below any offers of the past few years to take a position at $12.50 to $19 per pound. Spanish oil continued to be freely offered at $1 to $2 per pound. Dalmatian material was almost non-existent on the spot market. The quotations of $6 to $7 per pound were largely nominal, although some dealers held scant stocks.

Sandalwood—A rise of 25c. per pound in the low end of the price range brought offers at $11.75 to $12.50. The majority of offers were maintained at about $12 per pound. Supplies presented no problem to dealers, who met all inquiries.

Spearmint—Unlike the peppermint market, this oil remained fairly firm at offerings ranging from $3.25 to $4 per pound. The outlook for this year's crop has also been less favorable than that of peppermint, but new material was expected to improve the spot market when it becomes available.

Vetiver—Remaining one of the firmest spots in the market, the supplies have become almost completely depleted. The few handlers who still held stocks were able to maintain firm prices, ranging from $12.75 to $15.25 per pound for Bourbon material and $10.60 to $14 per pound for the Haitian variety.

Ylang-ylang—Scant stocks were still held by some traders, although many dealers have temporarily discontinued the item for lack of replacements. Prices, in keeping with the tight conditions, moved up again to a range from $12 to $14 per pound for Bourbon oil. Small quantities of Madagascar oil was offered mainly at $9.75 per pound.

Aromatic Chemicals

Anisic Aldehyde—While there continued to be only light interest in this item, producers expected it to pick up in the near future, when manufacturers of antihistamine drugs renew production for the coming Winter. Prices were unchanged at $2 to $2.45 per pound.

Citral—Continuing to be freely offered, last week saw a drop in the top price to $5.55 per pound. In other quarters the

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material could be had for as low as $5 per pound. The weakness of lemongrass oil may keep the item at these favorable prices for some time to come.

Coumarin—Extensively used as flavoring, the item was also called for by perfume producers and prices were maintained at a steady level ranging from $2.75 to $3 per pound. According to statistics gathered by a government agency, there were 295,700 pounds of the synthetic material produced in the United States last year.

Ethyl Butyrate—The item was offered in drums at a price range of 68c. to 80c. per pound. The extract was available in bottles at $5.10 to $5.85 per gallon. Large quantities were sold, particularly to food processors. During 1949 production totaled 154,100 pounds, according to preliminary information compiled by the Tariff Commission.

Ionones—These chemicals showed a good deal of strength. Prices of alpha varied widely as to producer from $5.55 to $13.65 per pound. Beta ionone was offered from $8.65 to $10 per pound.

Safrol—This market remained unchanged with one producer offering the item at 85c. per pound, while other prices ranged up to $1.10. Producers seemed to feel that no change should be expected in the market.

Schering Appoints Belgium Firm

Laboratoires Pharbil, Brussels, Belgium, has been named distributor of products of Schering Corporation, pharmaceutical manufacturers, in Belgium, Holland and Luxemburg.

Du Pont Transfers Tombak To New Wilmington Post

George J. Tombak, since 1934 a technical salesman in the New York office of E. I. du Pont de Nemours & Co.'s fine chemicals division, has been transferred to Wilmington as a technical adviser and consultant to du Pont aromatics' customers. Mr. Tombak, has over twenty-five years' experience in the aromatics industry. Prior to joining du Pont he was a practicing perfumer. He is president of the American Society of Perfumers, and chairman of the aromatic chemical committee of the Essential Oil Association.

Fritzsche Promotes D'Amico

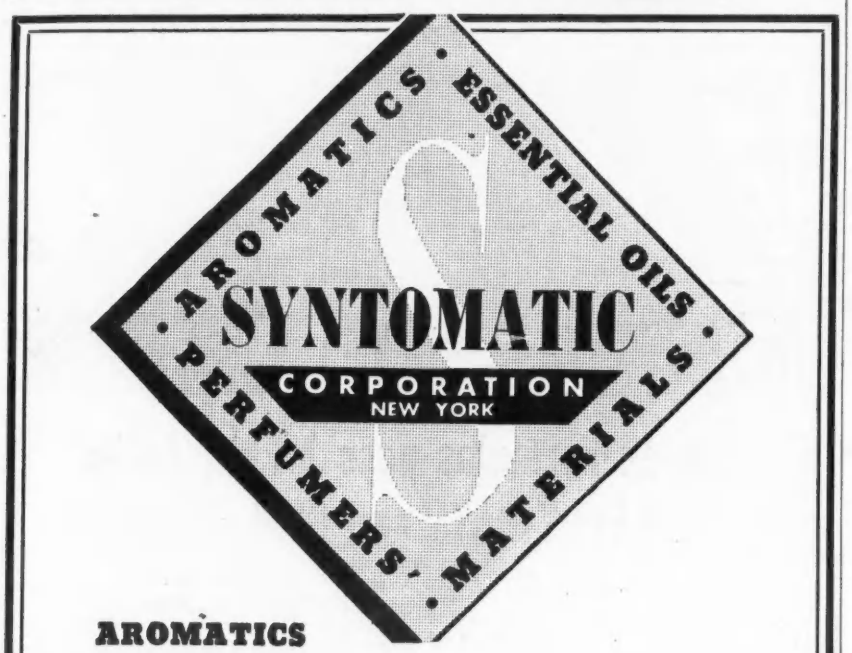
Gerald N. D'Amico has been named manager of the Boston branch of Fritzsche Brothers, Inc., New York, succeeding Harry P. Bowra who died June 26. Mr. D'Amico has served in the past as assistant both to Mr. Bowra and to his predecessor, M. J. Niles, prior to the latter's transfer to Chicago.

Trade Briefs

Swift-Lift, Inc., manufacturer of the new Swift-Lift beauty cream, has appointed Edwards Beauty Salon, Hotel Shelton, New York, as distributor.

Perfumers Guild of America, Inc., has leased office space in the building being erected at 135 East Fifty-fourth street, New York.

Robert L. Brown, of Lyndhurst, N. J., will study the aromatic and pharmaceutical industries in England, France and Switzerland this summer in connection with a book he has in progress.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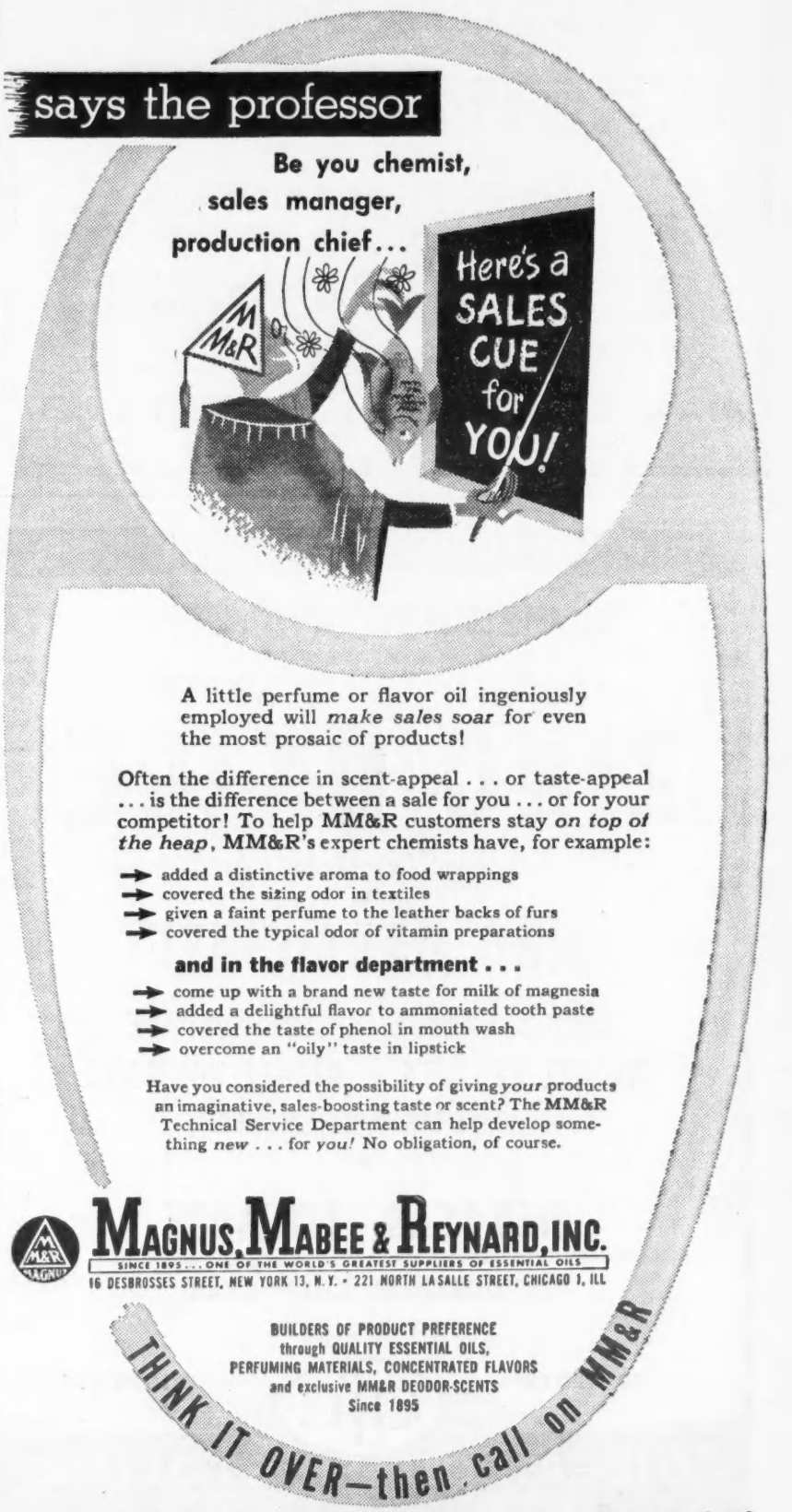
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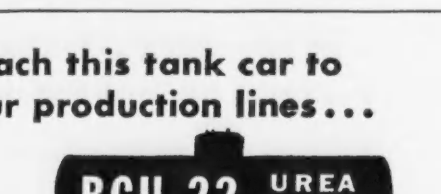

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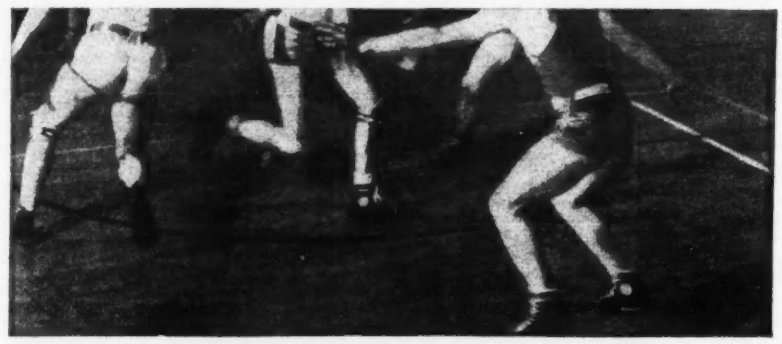

Durez Formulas pass MFMA Tests for HEAVY-DUTY and GYM Finishes

NEW SPECIFICATIONS for heavy-duty (classroom, store, office, bakery, etc.) and gymnasium-type floor finishes were recently set up by the Maple Flooring Manufacturers Association. These specifications cover finishes for maple, beech and birch floors, and became effective on January 1.

DUREZ 570 is a pure phenolic resin that is ideal for finishes of this type. When cooked at 25-gallon length in tung oil, it produces varnishes that meet the new specifications. Our formulations V-51675 for gym floors and V-51674 for heavy-duty finishes have been tested by Foster D. Snell, Inc., consulting chemists, and reported satisfactory in each of the fourteen detailed requirements established by the MFMA.

BEFORE GIVING ITS APPROVAL on any finish, the Association requires a satisfactory test report from the Snell organization. Additional information and copies of the specifications may be obtained by writing the Maple Flooring Manufacturers Association, Oshkosh, Wisconsin.

If you are interested in making varnishes to submit for MFMA approval, we will gladly send you copies of V-51675 and V-51674 formulas, with samples of Durez 570 Resin.

Write Durez Plastics & Chemicals, Inc., 37 Walck Road, North Tonawanda, N. Y.

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Protective Coatings Materials

Lead metal advanced twice during the past week, bringing along advances in lead oxides, litharge, mineral orange, and white basic carbonate, silicate and sulphate. Red and yellow cadmiums, CP, also were on the up side, and synthetic iron oxides were higher. Both domestic and imported casein climbed and there were advances in the lemon, superfine and TN grades of shellac. The weekly market index rose 1.8 point to establish a new figure of 175.5.

The cadmium colors were higher because of the higher cost of the metal. Increased costs of scrap iron were responsible for the boost in the synthetic iron oxides. European offerings of casein seemed to have petered out, throwing the weight of demand on domestic and Argentine material. Domestic stocks were sufficient now but much would depend on how strong the demand became and how long it kept up. Argentine casein was not in good supply. This was the slow production season there and there were no great stocks being carried over because of the drought and dairy strike of a few months back. Shellac buyers had let their inventories drop low in a falling market, but with the war scare in the Far East they were skeptical of prices and future supply and were now back in the market to replenish stocks. There was an advance in all grades of refined glycerin and this was being studied by the makers of synthetic resins.

Prime Pigments

Cadium Colors—Following the action taken by one producer during the previous week, the market by last week had lined up at 15c. increases for the yellow and reds, CP. This brought the price of the yellow to $2.80 per pound. The schedule for the red became:—dark shade, $3.80; light, $3.65; medium, $3.75; medium-light, $3.70, and orange, $3.30. Yellow was reported to be in fairly good demand but was not booming because of the cost. Supply was fairly good. Demand for red was not brisk and supply was fairly good.

Lead Pigments—Two advances of ½c. each in the metal last week had their effect on the listings of the pigments. The oxides, litharge and mineral orange advanced twice to become 1c. higher at the close of the week. Dry white lead basic carbonate and basic sulphate were both up ¾c. They moved only once. Basic silicate white leads advanced once, from ½c. to ¾c., depending on grade. Lead metal had been in a weak position lately, with considerable arrivals from abroad. It was said that the war scare in the Far East had brought with it fears of heavier buying by foreign countries and a consequent falling off of arrivals in this country.

Prices at the end of the week were:—lead, red, 95 percent, 14¾c. in carloads and 15¾c. in less than carloads; 97 percent, 15c. in carloads and 16c. in less than carloads; 98 percent, 15¼c. in carloads and 16¼c. in less than carloads; litharge, 13¾c. in carloads and 14¾c. in less than carloads; orange, mineral, .1810 in less than carloads.

White lead basic carbonate became 14¾c. in carloads and 15¾c. in less than carloads. The basic silicate became 13¾c. to 16¼c. in carloads and 14¾c. to 17¼c. in less than carloads. Basic sulphate became 13¼c. in carloads and 14¼c. in less than carloads.

Synthetic Iron Oxides—Following a firmer market noted during the previous week, major producers were now at higher levels. Black was now at 11c. in carloads and 11¼c. in less than carloads. Red was at a range of 11¾c. to 12c. Yellow was at 9½c. in carloads and 9¾c. in less than carloads.

Market Trends

Prices Advanced

Casein, imported, 2¼c. per lb.
domestic, standard, 2c. per lb.
premium, 1½c. per lb.
Lead, red, 95%, 97%, 98%, 1c. per lb.
white, basic carbonate, ¾c. per lb.
silicate, ½c. to ¾c. per lb.
sulphate, ¾c. per lb.
Litharge, 1c. per lb.
Orange, mineral, 1c. per lb.
Red, cadmium, CP, dark, light, medium, medium light, orange, 15c. per lb.
Rosin, gum, Savannah, H-K, 56c. per 100 lbs.
M-X, 51c. per 100 lbs.
New York, B-F, 30c. per 100 lbs.
G-N, 65c. per 100 lbs.
WG, 55c. per 100 lbs.
WW, X, 50c. per 100 lbs.
Shellac, Lemon No. 1, 2c. per lb.
No. 2, 3c. per lb.
Superfine, 2c. per lb.
TN, 2c. per lb.
Synthetic iron oxide, red, black, ¼c. per lb.
yellow, ½c. per lb.
Turpentine, gum, Savannah, ¾c. per gal.
New York, 1c. per gal.
Yellow, cadmium, CP, 15c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 15, 1949
175.5	173.7	175.5	196.4	205.4

(*For Current Prices see Page 9*)

Zinc Pigments—With no changes reported in the price of the metal last week, the market for the pigments was unchanged.

Fillers and Extenders

Chalk—Demand was keeping up a steady pace during the past week and was holding at levels that were characterized as pretty good. Supplies were sufficiently high to accommodate the normal needs of the market without difficulty. There were no changes reported in the price range and none were indicated for the immediate future.

Synthetic Resins

All grades of refined glycerin advanced 5c. a pound during the past week. This had no immediate effect on the market for synthetic resins, but it was being studied by producers to see what it might mean to their products.

Naval Stores

Dipentene — The destructive-distilled was in what was called a pretty fair demand during the past week. Orders were being taken by the paint, varnish and enamel industries and by the Navy but the rubber industry was still the biggest customer. The supply was generally adequate to the demand but was still not plentiful. In drums, carload, at the works, South, the price was 35c. and in less than carload lots it was 36c. The New York warehouse price was 46c. and in tanks at the works, South, it was 20c. The price structure was reported to be in a strong position but there were no definite indications of any actual higher prices in the immediate future.

Steam distilled, in carloads, at the works, South, was worth 35c. and in less than carload lots it was going for 46c. The New York price was 52c. Demand was reported to be holding at pretty good levels at this time and the supply was sufficiently high to make it possible for producers to take care of normal orders without any particular difficulty.

Pine Gum—Prices received by producers for pine gum delivered to processing plants during the week ended July 8 averaged $17.88 per standard barrel of 435 pounds, according to the Department of Agriculture. This compares with $17.25 for the previous week. The twenty-two reporting plants received 29,860 barrels of gum, or an average of 1,357 barrels per plant, compared with 1,634 barrels for the

Paint, Varnish, Lacquer Sales: May

The value of sales of paint, varnish, lacquer and fillers in May, 1950, as reported in 680 establishments to the Bureau of Census, was $103,205,518. These establishments accounted for approximately 90 percent of the total value of the output of the industry as reported in the Census of Manufacturers for 1939. Included are data on sales of water-thinned paints and nitrocellulose lacquers, which formerly were published separately but have since been discontinued. Details of sales reported with comparative data for 1949 follow:—

	Total sales reported by 680 establishments	Classified sales reported by 580 establishments: Trade-sales of paint, varnish, and lacquer	Industrial sales: Total	Industrial sales: Paint and varnish	Industrial sales: Lacquer	Unclassified sales reported by 100 establishments
1950—May	$103,205,518	$58,195,817	$35,196,482	$26,573,732	$8,622,750	$9,813,219
Total, 5 months	424,789,383	232,154,547	153,210,804	113,064,435	40,146,369	39,424,032
1949—May	89,072,008	52,128,818	27,773,307	20,792,624	6,980,683	9,169,883
Total, 5 months	406,180,029	226,618,845	140,491,196	106,300,760	34,190,436	39,069,988

For Late Market Developments, See Page 4

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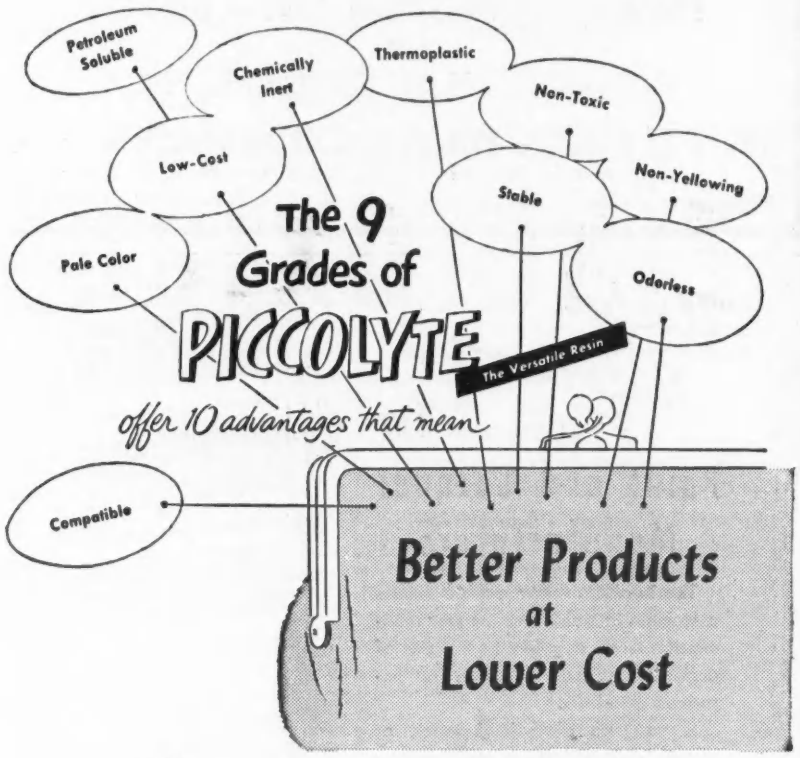

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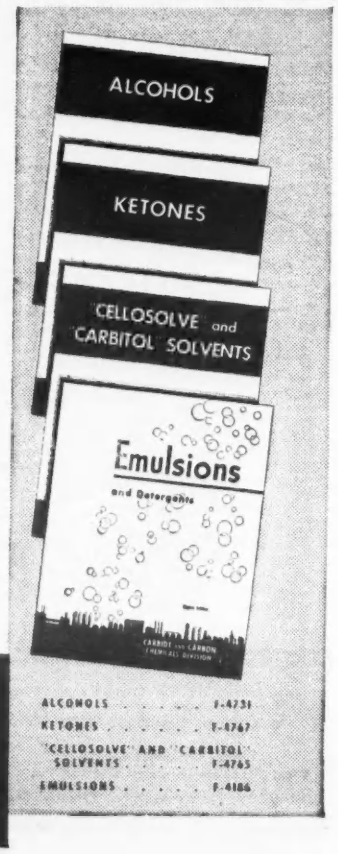

ALCOHOLS F-4731
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previous week. The contents per barrel averaged 11.53 gallons of turpentine and 299 pounds of rosin. The gum was graded 55 percent WW, 14 percent WG, 11 percent N, 11 percent M and 10 percent K and below.

The record of the gum naval stores markets during the week ended July 14 was as follows:—

Gum Rosin

	Price per 100 lbs.						
	Savannah Exchange (Low of range)					New York c.l., l.c.l., f.o.b. ex N. Y. whse.	
	Mon.	Tues.	Wed.	Thurs.	Fri.	Friday	
B	$4.10	$4.10	$4.10	$4.10	$4.10	$6.20	$6.95
D	4.25	4.25	4.25	4.25	4.25	6.20	6.95
E	4.75	4.75	4.75	4.75	4.75	6.20	6.90
F	5.07	5.07	5.07	5.07	5.07	6.20	6.90
G	5.07	5.07	5.07	5.71	5.07	6.80	7.55
H	5.26	5.51	5.51	5.71	5.82	6.80	7.55
I	5.26	5.51	5.51	5.71	5.82	6.80	7.55
K	5.26	5.51	5.51	5.71	5.82	6.80	7.55
M	5.31	5.51	5.51	5.71	5.82	6.80	7.55
N	5.31	5.51	5.51	5.71	5.82	6.80	7.55
WG	5.39	5.51	5.51	5.71	5.82	6.90	7.65
WW	5.56	5.56	5.56	5.71	5.82	7.00	7.75
X	5.56	5.56	5.56	5.71	5.82	7.00	7.75
	Drums						
Sales	200	89		411	270		
Receipts	950	1,804	827	713	544		
Shipments		57					
Stocks	32,591	34,338	35,165	35,878	36,422		

Gum Turpentine

	Savannah Exchange Bulk					New York (ret. dms.) tanks l.c.l. f.o.b. ex N.Y. whse. (7 lbs.)	
	Mon.	Tues.	Wed.	Thurs.	Fri.	Friday	
Per gal	.40½	.41	.41	.41	.41¾	.50	.58
Sales, bbls.	160	160	...	...	160		
Receipts, bbls.	1,102	158	238	189	627		
Shipments, bbls.	222	92	324	36	46		
Stocks, bbls.	15,505	15,571	15,485	15,638	16,219		

Natural Resins

Shellac—Bleached bonedry and refined held to their previous levels on price during the period under review although it was said that there might be higher prices for these grades soon. Advances were noted during the week in the lemons, superfine and TN. Lemon No. 1 went up 2c. to a higher range of 43c. to 44c. Lemon No. 2 was 3c. higher at 41c. to 42c. Superfine was on the up side by 2c., making the listing 39c. to 40c. TN went up to 37c. to 38c., an increase of 2c. Demand was said to be running at good levels. The war scare in the Far East was partly responsible for it, since buyers were uncertain as to their future supply and the coming price structure and therefore were eager to take on goods now. However, the scare was not the only reason for the upward trend in business. It was said that in general business was good regardless of the situation in the Far East. Prices were holding at firm levels on the Indian market. The supply there was reported to be satisfactory and the best advices here indicated that the crop had been a good one. All in all, there was no difficulty in obtaining material on the local market.

Miscellaneous Materials

Casein—Material from the Argentine was higher by 2¼c. last week. The market was extremely strong and it was difficult to get offers because of the scarcity of goods. European countries, which had been offering large quantities, were said to be sold out and not in a position to make any further offers. France was not offering. Denmark was up 3½c. earlier in the week but soon withdrew from the market as having no further material to offer. Holland also was said to be without any to offer. With the European markets out of material, it was now necessary for buyers to look to the Argentine, but that country had little to offer. This was the slow producing season there and stocks were not high because of the severe drought of a few months back and the

—Continued on page 76

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Petroleum Derivatives

Aside from a one-half cent increase in the wholesale listings of gasoline by some producers on the East Coast, the price structure in the petroleum derivatives market remained without change during the past week. The upping of gasoline was said to reflect recent advances in basic refinery prices.

Toluol and xylol were firm at the new higher levels. Xylol continued very tight. Toluol was somewhat easier, but it was still not free. Demand for both was still running at high levels. The call for higher boilers was strong but the supply continued on the tight side. Aliphatics were in about the same position they had been in. Demand was running to fairly good levels, and was receiving a seasonal impetus from the paint trade, which was now in its busy time of the year. Supplies were generally adequate to satisfy the normal needs of the market without difficulty. Lighter fractions showed no noticeable change during the period. Demand was fairly good and producers had enough on hand to obviate any difficulties in the prompt filling of orders.

Microcrystalline wax and paraffin were without change. Both were in good demand. Microcrystalline was on the tight side of supply but paraffin was somewhat easier. Petrolatum and white mineral oils were holding to their previous listings on price and the supply and demand picture for both was largely what it had been in recent week.

Solvents and Diluents

Aromatic Solvents—Toluol and xylol from petroleum were holding at their new advanced levels during the past week and both continued in good demand. Xylol was in a tighter supply position than toluol, although it could not be said that either material was in a position that could be called easy. Demand for higher boilers continued to hold at good levels but there was still a tightness on the side of supply. The price structure was holding at the recently revised levels. Intermediate aromatic solvents were largely unchanged as to supply and demand. Generally, prices were at higher levels, following recent changes, although in one direction the schedule had not been advanced.

Cleaners' Naphtha—Supply was sufficiently high to accommodate the needs of the market during the past week. The demand was at good levels and the indications were that it would stay that way for the immediate future at least. Price-wise, the market was without feature and there were no signs that any revisions were imminent.

Lacquer Diluent—Demand was running to good levels and with the protective coatings industry in its busy season, the call was expected to continue high for some time. The supply was in good shape and there was no particular difficulty being encountered in the filling of orders. The price picture was unchanged and there were no indications that any revisions were at hand.

Mineral Spirits—Supply was in good shape. Demand was running high now that the busy time of year for the protective coatings industry was here. The price structure remained unchanged and there were no indications that any changes were being contemplated.

Rubber Solvent—Demand was running at good levels during the period and the indications were that it would continue that way. The tire industry was taking considerable amounts of the material. Supply was at levels sufficiently high to satisfy the needs of the market without difficulty. The price structure was unchanged and there were no indications of any changes pending.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended July 1 totaled 240,943 barrels, according to the Bureau of Mines. Compared with the total of 240,762,000 barrels for the preceding week, this represents an increase of 181,000 barrels, comprising an increase of 538,000 barrels in stocks of domestic crude and a decrease of 357,000 barrels in stocks of foreign crude.

Market Trends

Prices Advanced
None

Prices Reduced
None.

(For Current Prices see Page 9)

Stoddard Solvent—Supply was in good shape and the needs of the market could be satisfied without difficulty. The demand was running along at good levels and the increase in activity in the paint industry at this time of year was adding to the call. There were no changes in the price listings and none could be foreseen for the immediate future.

V. M. & P. Naphtha—With the paint industry in its busy time of the year, the demand for this item was running to good levels last week. Supplies were sufficiently high, however, to obviate any difficulty in the filling of orders. There were no changes in the price listings and none were indicated for the immediate future.

Lighter Fractions

LPG's—A large annual gain in market requirements for these materials, evident in recent years, failed to repeat in 1949, when sales of 2,836,599,000 gallons were only about four percent above the 1948 total of 2,736,801,000 pounds, according to a survey made by the Bureau of Mines. The increase of 100 million gallons in sales of LPG's in 1949 over the 1948 total is less than a fifth of the volume expansion in deliveries reported for 1948. Nominal gains in market requirements were reported for most areas in 1949, except for District 3, where sales remained at about the same level as in the previous year and District 5, where the 1949 total was four percent below the 1948 demand. Exports declined in 1948, although an upward trend was again evident in 1949, as indicated by statistics released by the Bureau of Census, when overseas shipments were 53,383,000 gallons, a gain of seventeen percent over the 1948 total of 45,520,000 gallons.

Waxes

Microcrystalline—General conditions in the market for this material continued largely unchanged during the past week. Demand was holding at good levels and was expected to continue that way. The supply continued on the tight side. The price structure was without change.

Paraffin—Demand was holding on the strong side but the supply situation was strong enough to accommodate the normal needs of consumers without any particular difficulty. There were no changes reported in the price structure and there were no signs that would indicate that any were planned for the immediate future.

Miscellaneous

Gasoline—A ½c. a gallon increase in the wholesale price went into effect on the East Coast by some producers during the past week. Advances in basic refinery prices in the recent past were said to be largely responsible for the higher listings.

Petrolatum—The demand was still holding at levels that were characterized as pretty good during the past week. Supply was in strong enough shape to fulfill the needs of the market without any particular difficulty.

White Mineral Oils—Supply was at good levels during the period under review and there were no pinches being felt in the general availability. Demand was at good levels and it was reported to be somewhat higher than at the similar period a year ago. There were no changes in price and no indications of any for the immediate future.

Los Angeles Petroleum Market

Demand is holding well for solvents and diluents with supplies reported adequate and prices unchanged. Cleaning solvent quoted from 15½c. to 19½c. per gallon, tankwagon, extax, f.o.b. Los Angeles basin area. Lacquer diluent quoted from 16½c. to 20½c. per gallon, same basis and stoddard solvent quoted from 15.7c. to 19.5c. per gallon, same basis.

Inquiry continues slow in the L.P.G. market here with both propane and butane listings unchanged at 5.3c. per gallon, tankcars, f.o.b. Los Angeles.

Demand continues steady for high melting point waxes with abundant supply reported. Prices are unchanged with 140/147 ASTM, carload loose slabs, f.o.b. shippers refinery, San Francisco, listed at 6.95c. per pound. 146/148 ASTM, same basis, quoted at 7.15c. per pound, and 157/162 ASTM, same basis, quoted at 7.6c. per pound. Tankcar prices listed at 6.05c, 6.25c. and 6.9c. per pound respectively.

For Late Market Developments, See Page 4

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CHEMICALS—As ingredients in many chemical reactions and in the manufacture of some synthetic chemicals.

CLEANING—Used in preparation of detergents for commercial dry cleaning of fabrics and as spot removers; also as a cleaning solvent for textiles, metals and machine parts.

EXTRACTION—Close boiling solvents are used as the extraction medium for fats, vegetable oils, glue, rosin, and resins, and to produce certain pharmaceuticals.

GLUES, ADHESIVES — Used as a solvent for adhesive compounds and in the production of adhesive tapes.

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SPE to Hold National Meeting in N.Y. Jan. 18

Society of Plastics Engineers will hold its seventh annual national technical conference January 18 to 20, 1951, at the Statler hotel, New York. Under the theme, "Plastics Shape the Future," the conference will hear technical papers on achievements in plastics during the past fifty years and predictions of developments during the coming half-century in plastic materials, machinery, processing methods and applications.

The meeting is being sponsored by the New York and Newark, N. J., sections of the society. Following are the members appointed to the arrangements committee: —James T. Growley, Celanese Corporation of America, and Stanley Bindman, Gemloid Corporation, co-chairmen; William T. Preston, Koppers Company, secretary, and William Lewi, Dusal Tool & Mold Company, treasurer.

Oil Company Organized

International Petroleum Company, Ltd., Toronto, announced July 11 that it has transferred the marketing assets of its Colombian affiliate, Tropical Oil Company, to a newly-formed company, Esso Colombiana, S.A., which will immediately begin the marketing and distribution of petroleum products throughout Colombia.

Currency exchange control authorities under the Colombian Minister of Finance have made the new marketing arrangements possible. International, an affiliate of Standard Oil Company (New Jersey), said, by providing that the marketing assets of Esso Colombiana shall be registered as imported foreign capital. As a result, dividends earned by the new company are subject to remittance to the foreign shareholders.

Protective Coatings

—Continued from page 74

dairy strike that held back production. European offers at low prices had caused buyers here to hold back, but inventories dropped low and had to be replenished.

Domestic standard and premium were both higher in last week's advancing market. The standard went up 2c. a pound to become 24½c. to 25½c., and the premium was higher by 1½c. at 25½c. to 27½c. The market was in a state of flux and higher prices would not be surprising on short notice. One source said the market looked firm for the rest of the year and indicated that demand would probably continue to hold at good levels. It was said that supplies were sufficient for the current needs of the market but just how they would continue to hold up would depend in good part on the future demand. An added load of demand was being placed on American goods because of the petering out of the European offerings. It was thought that stocks from Europe would go into the American market, especially since they were offered at attractive prices, but now the foreign sources have practically nothing to offer. There is not a great deal available from the Argentine and Canada's supplies are limited.

The seasonal gain in the output of dry casein from April to May of this year was much less than a year earlier and less than average, according to the Department of Agriculture. May production was 2,410,000 pounds, down 25 percent from a year earlier and 11 percent below the 1944-48 May average. During the first five months of 1950, production totaled 9,410,000 pounds, down 12 percent from the same months of 1949, but up 13 percent from the five year average for the same period.

Manufacturers' stocks of dry casein on May 31 totaled 2,925,000 pounds, down 16 percent from a year earlier and 29 percent from the 1944-48 average. Holdings at the end of May were the lowest on record for the date, except for 1948. Stocks on the same date in past years have ranged from 2,850,000 pounds in 1948 to 10,750,000 pounds in 1942.

Glue—Total production of all grades of hide glue during May amounted to 1,286,886 pounds, according to the Department of Commerce. This was better than the April total of 1,178,678 and was also a bit higher than the production for the month of March, which amounted to 1,226,344 pounds. Shipments during May amounted to 5,198,210 pounds, which bettered the shipments of April. During that month the total was 561,683 pounds. The shipments during March were higher than during either of the two following months. That month saw shipments that amounted to 831,218 pounds. Stocks on hand at the end of May were reported to be 4,041,129 pounds. This was higher than the April figure, which amounted to 3,366,862 pounds and was also higher than the March figure of 2,791,272 pounds.

Oils, Fats and Waxes

Trend of prices of oils and fats was upward for practically the entire list last week, which advanced the index 6.6 points. Consuming inquiry was more active and there was more inclination to increase inventories than for some time past.

Edible vegetable oils were stronger and reflected the higher cost of soybeans and the marked reduction of the 1950 cotton crop acreage which was 31.3 percent less than last year. Prices were fractionally higher for corn cottonseed, peanut and soybean oils.

Vegetable fatty acids also were advanced fractionally by the increased cost of basic oils. Red oil, stearic and tallow fatty acid also were marked up.

Heavy export demand for tallow and grease further strengthened animal fats. Trading for export was active and sales took place at premiums of about 2 cents per pound above the domestic nominal quotations. Domestic prices were lifted fractionally, but quantities of tallow and grease sold to domestic users were negligible. Producers were sold up for July and the major part of August, which resulted in a marked scarcity of offerings. This strength was reflected in other animal oils. Grease oils, oleo oil and oleo stearine were boosted at least 1 cent per pound.

Crude menhaden and sardine oils were firmer and up fractionally. Refined fish oil demand improved and prices were advanced. Consuming demand for tung oil was more active and sales took place at higher levels.

Export demand for oilmeals continued active and with supplies scarce, the market was stronger at higher levels.

Market Trends

Prices Advanced

Coconut fatty acid, ½c. per lb.
Coconut oil, ¾c. per lb.
Copra, $17.50 per ton.
Corn oil, ¾c. per lb.
Cottonseed fatty acid, 1c. per lb.
meal, $2 per ton.
oil, 1c. per lb.
Fish oil, refined, ½c. per lb.
Greases, ½c. per lb.
oils, 1c. per lb.
Lard, 1c. per lb.
Linseed meal, $1 to $1.50 per ton.
Menhaden oil, crude, ½c. per lb.
Oiticica oil, ½c. per lb.
Oleo oil, 1c. per lb.
Oleo stearine, 1½c. per lb.
Olive oil, edible, 10c. per gal.
commercial, 10c. per gal.
Peanut meal, $5 per ton.
oil, ¾c. per lb.
Red oil, ¾c. per lb.
Sardine oil, crude, ½c. per lb.
Soybean fatty acid, ¼c. per lb.
oil, 1c. per lb.
Stearic acid, ¾c. per lb.
Tallow, ¾c. per lb.
oil, 1c. per lb.
Tung oil, ½c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 15, 1949
124.8	118.2	116.6	111.3	112.0

(For Current Prices see Page 9)

Cottonseed Oil

Active trading continued to feature bleachable cottonseed oil futures last week. Market remained steady, especially July delivery which was in active request by the trade at steadily mounting prices. Futures also were firm, but price gains were narrow. Strengthening factors were the sharp reduction of the 1950 cotton crop acreage, and higher cost of crude cottonseed oil and soybeans.

Government crop report of July 1 placed the cotton acreage under cultivation at 19,032,000 acres, which is 31.3 percent less than the 27,719,000 acres of a year ago. The first forecast of production was scheduled for August 8. However, if the yield per acre is equal to the 1939-48 of 250 pounds, production would be about 9,506,000 bales of cotton. The 10-year average is 11,306,000 bales.

The cottonseed price support for the 1950 crop was expected to be announced by CCC during the week.

Crude cottonseed oil was scarce and light sales were reported at an increase of ½c. per pound. Trading took place at 15c. per pound, tankcars, f.o.b. Valley, registering a new high for the season. In Texas market was nominal at 14½c. to 14¾c.

Sales and prices of refined bleachable prime summer yellow cottonseed oil in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended July 14 follow:—

	Sales	High	Low	Close
		Cents per pound		
July	151	17.65	16.30	17.29@17.25S
September	1.011	17.32	16.20	17.09S
October	306	16.90	15.75	16.65S
December	959	16.80	16.25	16.51—16.48S
March	23	16.80	16.45	16.58—16.57S
May	254	16.76	16.45	16.57S

Total sales, 2,904 tankcars, including switches.

Memphis.—Crude cottonseed oil sales at 14¾c. and crude soybean oil at 12⅞c. per pound tankcars, Valley basis. Cottonseed meal quoted at $73 per ton, Memphis. Stocks about exhausted. Cottonseed hulls, $11 per ton, bulk and $17 sacked. Cotton crop late, progressing favorably. Considerable weevil damage expected.

Linseed Oil

The bulk of trading was restricted to forward delivery. Sales of raw oil of good volume were reported and prices were advanced last week to 15.80c. per pound, tankcars, September delivery and to 15.30c. October. Demand for prompt delivery was fair, chiefly for fill-in requirements. Prices were unchanged at 17.50c. to 17.70c. per pound, tankcars, Zone 3 for July-August delivery. Withdrawal of oil against current contracts continued active.

Minneapolis.—Only scattered linseed oil business was booked by local crushers last week. Bookings were mostly through September, although some paint manufacturers and other consumers reached out into the last quarter of the year. Quotations on old-crop linseed oil held unchanged at 16.7c. to 16.9c. per pound, raw basis, in tankcars, zone 1. New-crop linseed oil for September was quoted at 14.7c. per pound early in the week, but was raised to 15.2c.; while oil for October delivery was boosted from 14.2c. per pound to 14.7c., f.o.b., Minneapolis. Shipments of oil were heavy following end of the rail switchmen's strike in the Upper Midwest.

Shipments of linseed oil from Minneapolis last week, in pounds, were as follows:—

	1949-50	1948-49
This week	9,180,000	7,620,000
Since Sept. 1	370,640,000	324,038,000

Flaxseed—Old crop seed easier, declining sharply. Seed receipts were smaller.

Minneapolis.—Receipts of flaxseed were light at the Minneapolis market last week, with around 160 cars arriving in the market. Close to one-half of the receipts applied on CCC account for storage in Minneapolis terminals, while others applied on to-arrive sales—or were spot cars for sale. CCC announcement, that it was offering flaxseed at $4 per bushel in store at Minneapolis and Duluth, proved depressing to the market and prices on old-crop flaxseed dropped sharply. Currently, old-crop flax is quoted at $3.65 to $3.85 per bushel, compared with $3.90 to $4 in preceding weeks. New-crop flaxseed, quoted at $3.35 last week, advanced to $3.40 per bushel, all for September arrival.

Receipts and shipments of flaxseed last week, in bushels, were as follows:—

Bushels—	Receipts 1949-50	Receipts 1948-49	Shipments 1949-50	Shipments 1948-49
This week	260,100	64,600	205,700	.....
Since Sept. 1	21,109,000	32,618,000	4,720,000	8,290,800

Other Vegetable Oils

Castor Dehydrated — Consuming demand was more active. Prices were without change but firmer.

Coconut—Consuming inquiry was more active. Crude oil was advanced to 14¾c. per pound, tankcars, f.o.b. Pacific coast prompt shipment.

Copra — This market was unsettled early, but rallied and prompt shipment was raised to $200 per short ton, c.i.f. Pacific coast.

Corn—Crude oil was firmer with competing oils and was 14¾c. bid per pound, tankcars, f.o.b. mills. Refined oil also was well held at 18¼c. per pound, tankcars, New York delivery.

Oiticica—Prices were lifted ½c. per pound due to increased demand and firmer primary market. Tankcars were quoted at 19c. per pound and drums at 20c. to 20½c., as to quantity, New York basis.

Olive—Improved trading in edible oil created a firmer tone and quotations were increased 10c. per gallon. Drums on the spot were held at $2 to $2.20 per gallon, on spot duty paid as to quantity. Commercial oil also was firmer ranging from $1.75 to $1.85 per gallon, drums depending upon quantity. Foots were in larger supply on spot and were available at 11⅞c. to 12½c. per pound, drums, as to quantity.

Peanut—This market continued strong under a good demand and scarcity of supplies. Crude oil sold at 16¾c. per pound, tankcars, f.o.b. mills, July-August delivery and raised to 17c. Refined oil was firmer at 19½c. per pound, tankcars, New York delivery. Last week the government sold peanuts for only six tankcars in the southeast.

Soybean—Prices were advanced with the higher cost of soybeans. Crude oil

For Late Market Developments, See Page 4

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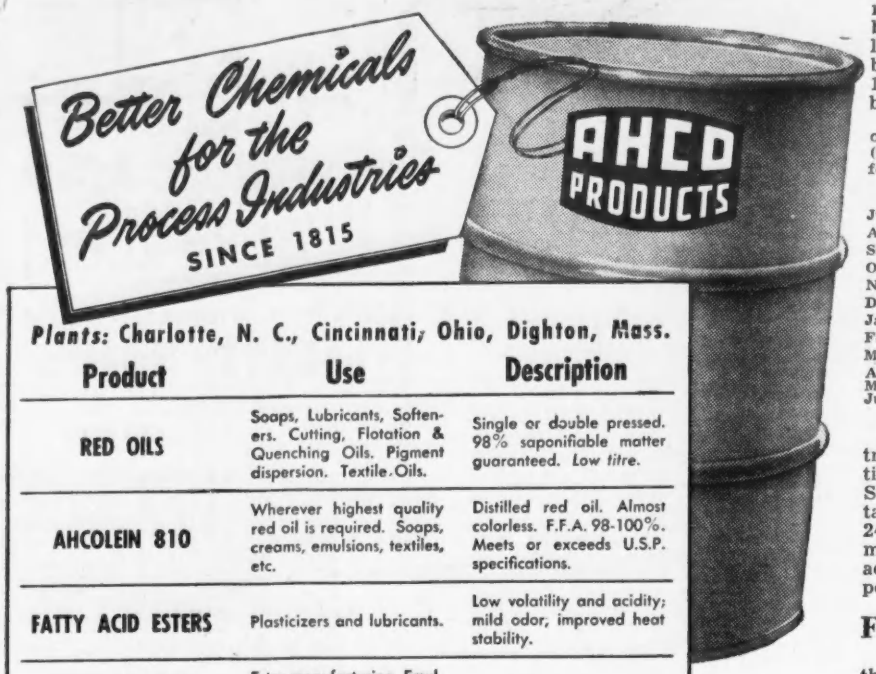

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FATTY ACID ESTERS	Plasticizers and lubricants.	Low volatility and acidity; mild odor, improved heat stability.
TRIPLE PRESSED STEARIC ACID	Ester manufacturing, Emulsifying agent for Greases, Rubber, Paints, Pharmaceuticals, etc.	Saponified; in spray or slab form. Low iodine value.
METALLIC STEARATES	Petroleum Greases, Inks, Paints, Varnish, Lacquers, Rubber, Plastics, etc.	Aluminum, Zinc, Calcium, Magnesium and Barium.
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was sold at 13c. per pound, tankcars, f.o.b. mills, July; September, 12¾c. and October-December, 12c. Prices were more or less nominal due to daily fluctuations of beans. Refined edible oil was held at 15¾c. per pound, tankcars, New York basis.

Sales and prices of prime crude soybean oil on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended July 14 follow:—

	Sales	Cents per pound High	Low	Close
July	23	12.85	12.50	Expired
August	18	12.85	12.40	12.85@12.99
September	82	12.85	12.25	12.65—12.70S
October	136	12.25	11.25	12.07S
November	1	11.88	11.88	11.88S
December	82	11.80	11.25	11.65S
January	2	11.50	11.40	11.56@11.70
February	..	....	....	11.50@11.70
March	20	11.90	11.30	11.67@11.80
April	..	....	....	11.50@11.70
May	3	11.75	11.60	11.56@11.70
June	..	....	....	11.50@11.60

Total sales, 367 tankcars and switches.

Tung—Improved consuming inquiry and trading stiffened the market and quotations were lifted about ½c. per pound. Sales were reported at 24¼c. per pound, tankcars New York for spot delivery and 24c. future, with sellers holding at ¼c. more for both positions. Drums were advanced to 25½c. to 26c. per pound, depending upon quantity.

Fats and Greases

Greases—Heavy export demand caused this market to advance sharply and good volume of trading was reported at 2c. per pound above the domestic nominal quotations. Yellow grease was held at 7⅛c. per pound, drums, and 6⅛c. per pound, tankcars, New York for shipment. Production was sold well ahead and offerings were scarce. Nominal domestic quotations were raised ⅝c. per pound and the quantity sold at the higher levels was reported negligible. Choice white was merely nominal at 5¾c. per pound, tankcars, delivered; yellow, 4½c. and house, 3¾c., same basis.

Lard—Trading was fairly active at higher prices, chiefly for export. Pure refined lard was advanced to 15c. per pound, containers f.a.s. cash lard was increased to 13¼c. per pound, tierces, Chicago.

Tallow—Sharp price advances featured this market. Export business was active at higher prices. Producers were reported sold up for July and most of August and offerings were scarce. Germany purchases of 6,000 tons were confirmed and Italy also was reported a heavy buyer. Fancy was scarce and advanced to 7½c., tankcars, and 8⅜c. drums f.a.s. New York. Extra was sold at 7¼c. tankcars same basis. Nominal domestic prices were lifted ⅝c. but trading was light. Fancy was quoted nominally at 5¾c. per pound, tankcars, delivered; extra, 5½c. and special, 5¼c., same basis.

Animal Oils

Degras—Crude continued in steady demand, while neutral grades were slow. Prices were without change.

Grease Oils—Higher cost of tallow and grease stiffened this market and prices were raised about 1c. per pound. Demand was more active. No. 1 was quoted at 10¾c. to 11¾c. per pound, drums, as to quantity; extra winter strained, 12c. to 13c. and prime burning, 13c. to 14c.

Oleo Oil—Demand improved and extra was advanced to 14c. to 14½c. per pound, tierces, New York delivery. Offerings were scarce.

Oleo Stearine—Higher prices were named last week and lifted to 10¼c. per pound, barrels, New York. Consuming demand was active.

Tallow Oil—Prices were lifted at least 1c. to 11c. to 11½c. per pound, tierces, as to quantity reflecting the higher tallow market.

Fish Oils

Refined—Increased demand strengthened this market and prices were lifted ½c. per pound. Light pressed oil was quoted at 10c. and alkali refined 11c. per

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pound, tankcars, New York basis. Drums commanded the usual premiums. Crude menhaden and sardine were firmer and up ½c. Crude menhaden was sold at 6½c. per pound, loose, Baltimore and sardine at 7c., f.o.b. Pacific coast. The quantity of fish oils, exclusive of liver oils, produced in the United States and Alaska during May amounted to 449,723 gallons, compared with 579,292 gallons during May, 1949. The decline was due to smaller production of menhaden, pilchard, and groundfish oils during May, 1950. During the first five months of 1950, 1,172,616 gallons of oil were processed—an increase of 16 percent compared with the corresponding period of last year.

Fatty Acids

Vegetable fatty acids were stronger, and advanced with the higher cost of basic materials. Single coconut fatty acid was increased ½c. to 23c. per pound tankcars and double to 25c. per pound, tankcars. Cottonseed was raised 1c. to 10¾c. per pound, tankcars and soybean oil to 12¼c. per pound tankcars. Tallow fatty acid was lifted ½c. to 9c. per pound, tankcars.

Red Oil—This market was firmer with the strength in tallow and greases and all grades were boosted ¾c. per pound. Single distilled was quoted at 13c. per pound, tankcars double, 15½c., and saponified, 12¼c., same basis. Drums commanded the usual premiums of 1c. to 1¼c. per pound, depending upon quantity. Demand was active for immediate requirements.

Stearic Acid—Higher cost of tallow and grease improved the tone of this market. Prices were advanced ¾c. per pound. Trading was active for prompt delivery. Single was lifted to 12¾c. to 14c. per pound, as to quantity; double, 13¾c. to 15c. and triple, 16c. to 17¼c., same basis.

Cake and Meal

Cottonseed Meal — Meal continued to advance along with other feed markets. Forty-one percent sacked meal was quoted at $70 to $71 per ton, Memphis, but actual shipment is being made out of states west of the Mississippi River, including Texas. There is little meal available in the Mississippi Valley region. Forty-one percent sacked cottonseed meal was quoted at $74 per ton, Georgia and South Carolina mills, July-August shipment, with 36 percent $5 per ton less. Government cotton crop report of July 1 indicated cotton acreage of 19,032,000 acres, which is about 68.7 percent of last year's crop. This has strengthened all feed markets.

Linseed Meal — This market was stronger with competing, advancing $1 to $1.50 per ton.

Minneapolis.—Strong soybean meal prices and a demand for linseed meal—created by war psychology—boosted linseed meal prices $1.50 per ton the past week. Most buying was for nearby shipment, but mills were pushing sales following settlement of railway switchmen's strike in the upper midwest. Extracted linseed meal (36 percent) was quoted at $62.50 per ton, bulk, in carlots, f.o.b., Minneapolis, and expeller meal (34 percent) at $64.50 per ton, bulk.

Shipments of linseed meal from Minneapolis last week, in pounds, were as follows:—

	1949-50	1948-49
This week	13,140,000	13,140,000
Since Sept. 1	699,591,500	574,640,000

Peanut Meal — Meal market advanced sharply along with other feeds. Supplies are definitely limited. Forty-five percent old process meal was offered in small amounts at $81 to $83 per ton, Southeastern mills; $86, North Carolina, and $90 Virginia points, July-August shipment. A limited tonnage 45 percent old process meal was held at $80 per ton, South Georgia, September shipment.

Soybean Meal—Bulk meal ranged from $85 to $86 per ton, Decatur, Ill., July, August, September shipment. Sales have been posted at $93 to $94 sacked, f.o.b. Southeastern mills, July-August shipment. Southeastern meal continued scarce, with good demand.

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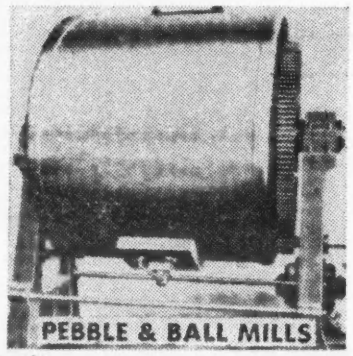

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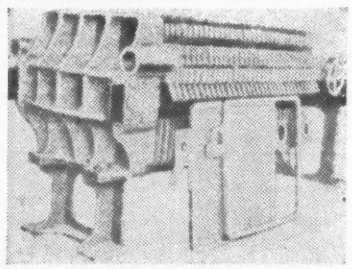

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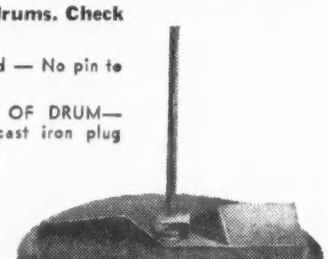

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6—Lead & Paste Mixers to 300 gals.
2—Worth 12"x12"x12" Vac. Pumps.
Port. Elec. Mixers.
Filling Machines.
Soap Machinery for Toilet, Laundry, etc.

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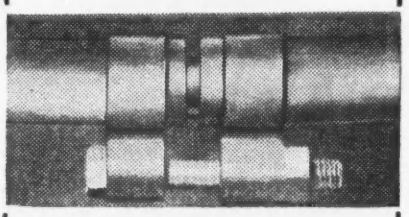
STEIN EQUIP'T CO.
90 WEST STREET, NEW YORK 6, N. Y.

Close Full Removable Head Drums the Modern Way—Use DRUM PARTS SYSTEM



New, Simple Method Saves Time—Lowers Costs!

Study the illustration above and you will instantly notice the exceptional neatness and simplicity of the closure.

This closure—made with a "Spin-Seal" Bolted Locking Ring—is different from the common locking ring. It is improved by having the nut enclosed as an integral part of the lug. The nut can't get lost and it saves much time in making closures.

Used with DRUM PARTS Combination Closing Tool and Wrench your drums can be closed and sealed in a small fraction of the time required with other types of rings.

Write for complete details and specifications on DRUM PARTS SYSTEM.

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2—Tolhurst 40" 32", Suspended, monel perforated baskets, bottom discharge Centrifugals, with exp. proof motors.
1—AT&M 48" Suspended, motor driven, stainless steel solid basket Centrifugal.
1—Fletcher 32" Suspended Centrifugal, steel solid basket.
1—Bird 18"x28" Continuous Centrifugal with solid monel bowl, m.d.
6—Swectland Filters, Nos. 12, 10, 7, 2.
3—Sweetland Filters, No. 2, all stainless.
1—Swenson 4'x5' Steel Rotary Vac. Filter.
1—Oliver 3'x2' Rotary Vac. Filter.
10—Patterson, Abbe Pebble Mills, 6'x8', 6'x5', 4'x5', 36"x42".
3—Mikro Pulverizers 4TH, 2TH, 1SH.
5—Rotex Screens, 20"x48", 40"x56", 40"x120".
1—3-Roll High Side Raymond Mill with separator, dust collector and cyclone.
5—Tyler Hummer Screens 4'x5', with controls.
5—Baker Perkins Double Arm Steam Jacketed Mixers, 100, 50, 20, 9 and 2 gal.
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1—Pfaudler 100-gal. glass-lined, jacketed, agitated Kettle.
10—Day and Ross Roller Mills and Lead Mixers.
25—Powder Mixers, Kettles, Tanks.

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2—Stainless Tanks, T304, 6,700 gal., open top.
3—Stainless Tanks, T347, 3,450 gal., closed top, coils.
2—Stainless Kettles, T347, 1,000 gal., flat top, agitated, non-jacketed.
20—Stainless Clad Jacketed Kettles, 40 gal. to 150 gal.
1—Sweetland ±10 Filter.
1—Alsop Filter, T316 Stainless, SD-8-WR-10.
3—Filter Presses, Wood P&F, 30".
8—Filter Presses, C.I. P&F, 10", 12", 18", 24".
1—Rotary Vacuum Filter, 8' x 8', acid

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For Sale: Tolhurst stainless steel centrifuge 48" perforated basket, 2 speed direct motor drive; 150 gallon Pfaudler stainless steel reactor. OPD 355.

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Large mid-west plant has extra facilities for making, cartoning and packing any quantities up to 100,000 units daily of proprietaries, liquids, pastes, creams, polishes, etc. Warehouse and shipping facilities available. Thorough technical supervision and product control. Services of well-staffed research laboratory also available if desired. Also purchasing and billing services if you want them. For full details, write Box 374, Oil, Paint & Drug Reporter.

EQUIPMENT WANTED

Wanted: Laboratory Textile Printing Machine. Launder-Ometer, and Fade-Ometer. OPD 368.

Wanted—12,000 gallon, totally enclosed tank. Rubber or resin lined or stainless steel. Vertical type preferred. Synvar Corporation, Wilmington, Delaware.

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Custom Grinding to micron sizes: Pharmaceuticals, Food Products, Abrasives, Chemicals, Minerals, Waxes and Resins. Avoid capital expenditures and royalties while developing new product sales. Use our experienced technical staff—micronizing equipment—mixing, packaging and shipping facilities. OPD 309.

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Lacquer manufacturer New York metropolitan area makes lacquers, synthetics and thinners to specifications on cost-plus basis. Tank storage, drumming and trucking as separate service or in combination, with manufacturing facilities. OPD 375.

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To Manufacturers and jobbers: Are you overstocked? We require immediately large or small lots many items chemicals, pharmaceuticals, solvents, aromatics, waxes, other supplies. Submit offerings at once. Correspondence treated confidentially. OPD 359.

Wanted: Crude Coal tar and Water Gas Tar in quantities. We have facilities for immediate removal. R. R. Tank Cars, Tank Trucks, Storage Tanks. P. S. Kramer, Tar Refiner, 7 Smith Street, Paterson 1, N. J.

PLANTS WANTED

Wanted—Complete plants; also machinery. Large engineering firm wishes to acquire several complete plants through purchase of (1) capital stock; (2) assets; (3) machinery and equipment, whole, or in part. Personnel retained where possible. Strictest confidence. Box 694, 1474 Broadway, New York 18, N. Y.

POSITIONS OFFERED

Experienced Chemist wanted by a large, well-established manufacturer of wood-finishing materials. This is a splendid opportunity for the right man, who must have had a successful record in the formulation of high-grade lacquers and synthetic coatings. The man we want must be a good manager, capable of handling men and of heading a research and development laboratory. Replies will be held in strict confidence. Please give full information in first letter, including salary wanted. An interview will be arranged at our expense if your qualifications meet our requirements. Our men know of this advertisement. OPD 364.

Chemical Market Research—Attractive opening for a chemist, preferably with some training in business administration and several years of practical experience in market research, as a market analyst in the research division of a chemical and petroleum company in the southwest. Send complete details of training and experience. OPD 365.

Lubricating grease plant Assistant superintendent by long-established Eastern manufacturer. State experience, salary, age and full particulars. Exceptional opportunity for qualified man. Application treated confidentially. Reply OPD 376.

West coast chemical firm wants top-notch sales executive thoroughly familiar with industrial chemicals and raw materials to take charge of Department handling purchase and sales of imported chemicals. Must have good outlet contacts and previous experience sales of domestic chemicals. Give full details, background, state terms. Apply OPD 377.

POSITIONS WANTED

College Graduate majored in chemistry realizes he knows very little but willing to work long and hard. Opportunities appreciated. OPD 371.

Shellac Bleacher, chemist desires connection in bleaching plant or as a consultant to plan, erect and set in operation a bleachery or to advise upon shellac problems. OPD 372.

SPACE WANTED

Interested in sharing or renting inexpensive laboratory space. Will also accept vacant space suitable for laboratory. Also interested in manufacturing space with suitable chemical equipment. OPD 370.

Point Four Program

—Continued from page 5

for technical aid and American know-how contained in the ECA bill and involving an authorized expenditure of $35,000,000. In reporting the appropriation bill to the senate, however, the senate appropriations committee cut the funds for technical aid to $10,000,000 and instructed that none of the money shall be spent on programs which would duplicate programs of other departments.

The committee was concerned that the recipients of funds of beneficiaries under the program may assume that the making of surveys and technical cooperation programs will obligate the United States to make loans and grants for the execution or construction of projects. Language was written into the bill making certain that such would not be the case. The money is to be used only for preliminary surveys and reports must be made each quarter to congress on just how the money is spent.

The sharp cut in the appropriation was criticized by the White House and at a conference later in the week between the President and senate leaders the appropriations committee agreed to reconsider its action with a view to increasing the amount to be advanced.

Aramco Issues Operations Report

Arabian American Oil Company, New York, has published a report to the Saudi Arab government on the company's oil operations during 1949. Profusely illustrated, the publication, which contains textual material in both English and Arabic, deals not only with oil operations but also with health improvement, construction of public works, industrial development and on-the-job training of Saudi Arab employees.

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